

# th•mann

DP-95 B, DP-95 WH  
digital piano



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# 1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

## 1.1 Further information

On our website ([www.thomann.de](http://www.thomann.de)) you will find lots of further information and details on the following points:

|                       |   |
|-----------------------|---|
| Download              | This manual is also available as PDF file for you to download.                                    |
| Keyword search        | Use the search function in the electronic version to find the topics of interest for you quickly. |
| Online guides         | Our online guides provide detailed information on technical basics and terms.                     |
| Personal consultation | For personal consultation please contact our technical hotline.                                   |
| Service               | If you have any problems with the device the customer service will gladly assist you.             |

## 1.2 Notational conventions

This manual uses the following notational conventions:

### Letterings

The letterings for connectors and controls are marked by square brackets and italics.

**Examples:** *[VOLUME]* control, *[Mono]* button.

### Displays

Texts and values displayed on the device are marked by quotation marks and italics.

**Examples:** *'24ch'*, *'OFF'*.

## Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

### Example:

1. ➤ Switch on the device.
2. ➤ Press [Auto].  
⇒ Automatic operation is started.
3. ➤ Switch off the device.



## Cross-references

References to other locations in this manual are identified by an arrow and the specified page number. In the electronic version of the manual, you can click the cross-reference to jump to the specified location.

Example: See ➤ 'Cross-references' on page 6.

## 1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

| Signal word   | Meaning  |
|---|--|
| <b>DANGER!</b>  | This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.        |
| <b>CAUTION!</b>   | This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.                      |
| <b>NOTICE!</b>  | This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided. |
| Warning signs   | Type of danger   |
|  | Warning – high-voltage.  |
|  | Warning – danger zone.   |

## 2 Safety instructions

### Intended use

This device is intended to be used for electronic sound generation using a piano keyboard. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

### Safety

**DANGER!****Danger for children**

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

**DANGER!****Electric shock caused by short-circuit**

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

**DANGER!****Electric shock caused by high voltages inside**

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

**CAUTION!****Possible hearing damage**

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

**CAUTION!****Risk of injury due to heavy weight**

Due to the heavy weight of the device, at least two persons are required for transport and installation.

**NOTICE!****Operating conditions**

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

**NOTICE!****Power supply**

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

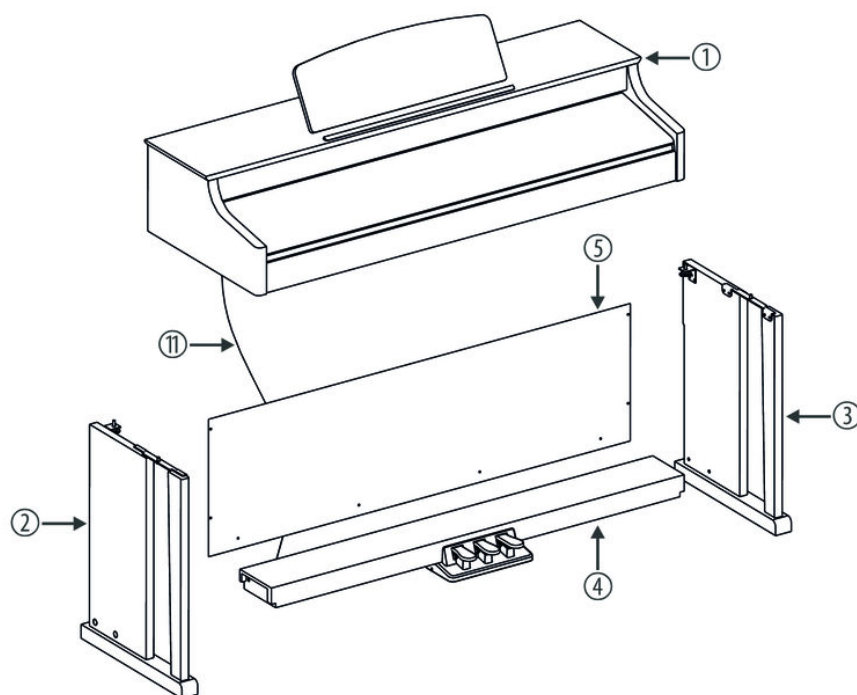


### 3 Features

The digital piano is characterized by the following features:

- 88 weighted keys with hammer action, touch velocity in 3 steps.
- Multi function LCD.
- User-friendly controls and indicators.
- 500 voices.
- 200 preprogrammed styles.
- 60 preprogrammed practise songs.
- Three memory locations for user songs.
- Song album with 120 songs.
- Two demo songs.
- Sequencer function.
- Single and multi-finger chord detection.
- Recording function.
- Eight memory banks, each with four memory locations.
- Mixer function.
- Connections: USB, 2 × headphones, AUX, MIDI, pedal box.

## 4 Assembly instructions

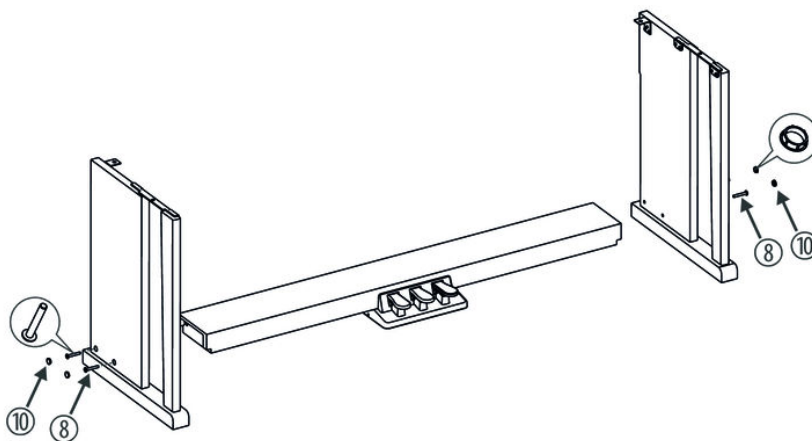


You need a Phillips screwdriver (not supplied) for the assembly of the digital piano. Open the package and please make sure before assembling that the entire scope of delivery is present, as posted here.

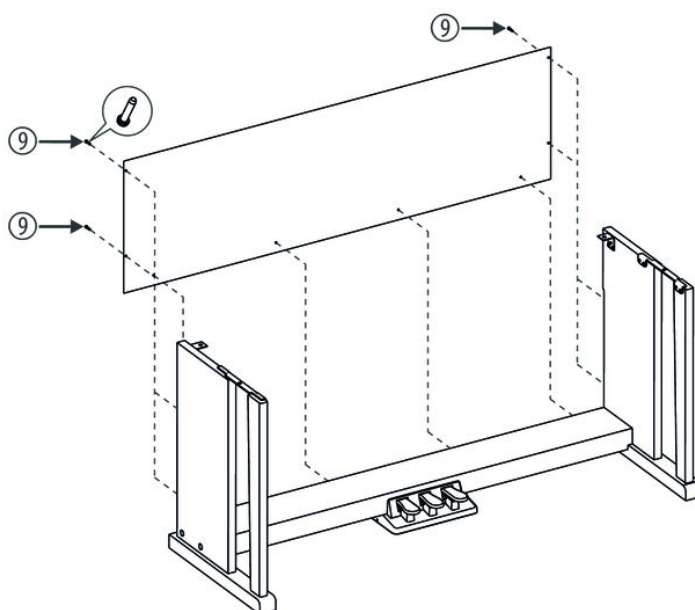
|    |  |
|----|--|
| 1  | Digital piano housing with music stand |
| 2  | Left side panel                        |
| 3  | Right side panel                       |
| 4  | Pedal box                              |
| 5  | Back panel                             |
| 6  | 2 × screws M6 × 18                     |
| 7  | 2 × hand screws                        |
| 8  | 4 × screws M6 × 40                     |
| 9  | 8 × screws M4 × 15                     |
| 10 | 4 × plastic caps                       |
| 11 | Pedal cable                            |
| 12 | Power cord                             |

## Mechanical assembly

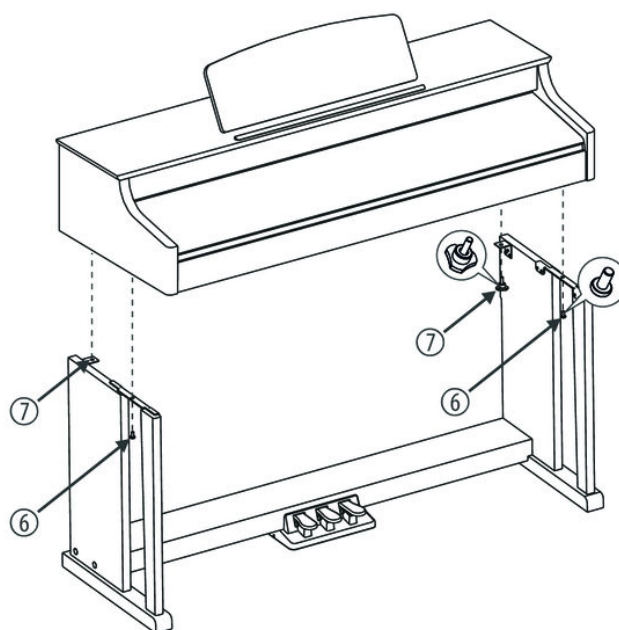
1. ➤ Assemble the piano near a wall power outlet.
2. ➤ Proceed according to the illustrations and exclusively use the supplied screws. Using other screws could damage the piano housing or result in a reduced stability of the piano.



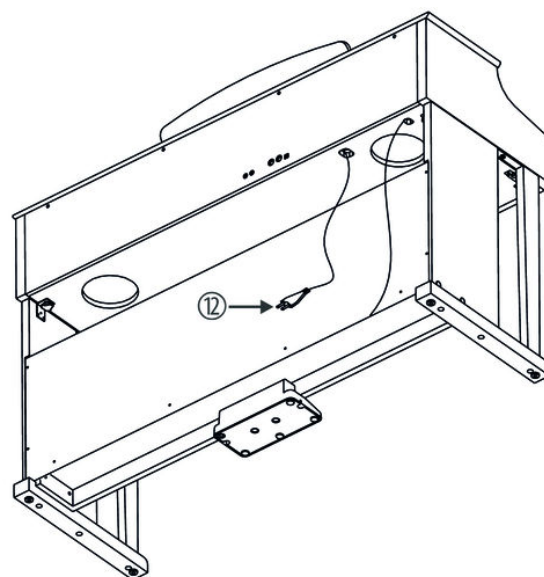
3. ➤ Put the pedal box between the left and right side panel and use two screws M6 × 40 on each side to affix both side panels to the pedal box.



4. ➤ Attach the back panel with eight screws M4 × 15 to the pedal box and to the rear sides of the side panels.



- 5.** ➤ Place the digital piano case on the frame and secure it with two screws M6 × 18 and the two thumbscrews.

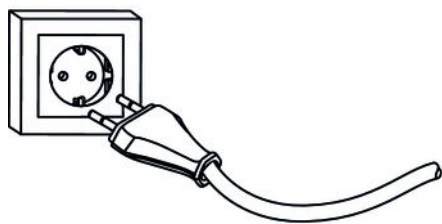


- 6.** ➤ Fasten the cables to the stand. Insert the DIN plug of the pedal cable into the provided socket on the bottom side of the digital piano. Move the digital piano to its designated location.

## Mains connection



1. ➤ Make sure that the device is turned off before you connect it to the power supply or disconnect it.
2. ➤ Turn the volume control to minimum.

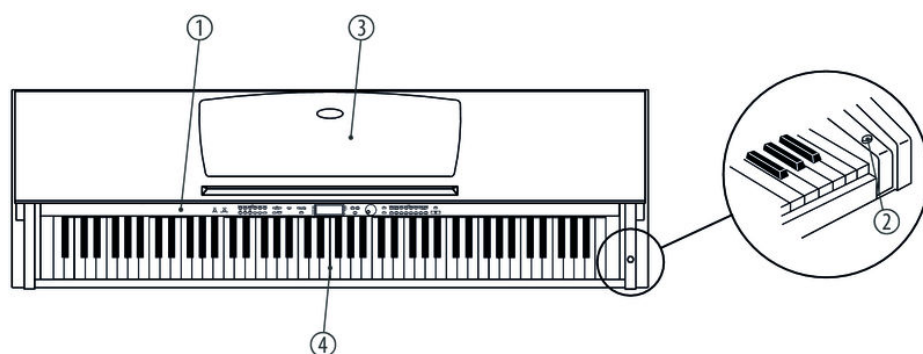


3. ➤ Plug the power cord into a 230 V AC outlet.
4. ➤ Now you can turn on the device.



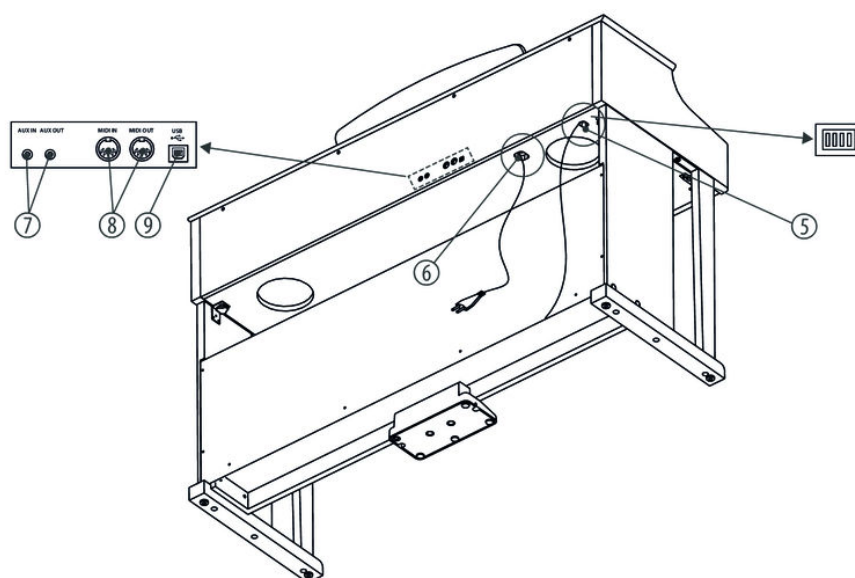
*If the piano is not in use or when a thunderstorm with danger of lightning threatens, disconnect the device from its mains power for safety.*

## Assembly overview



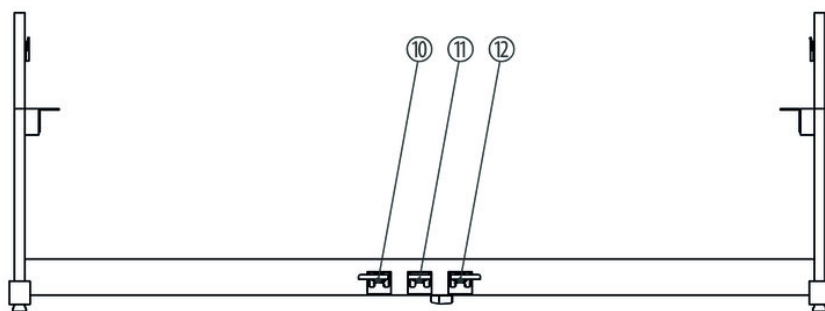
### Top view

|   |                 |
|---|-----------------|
| 1 | Operating panel |
| 2 | Main switch     |
| 3 | Music stand     |
| 4 | Claviature      |



### Rear panel

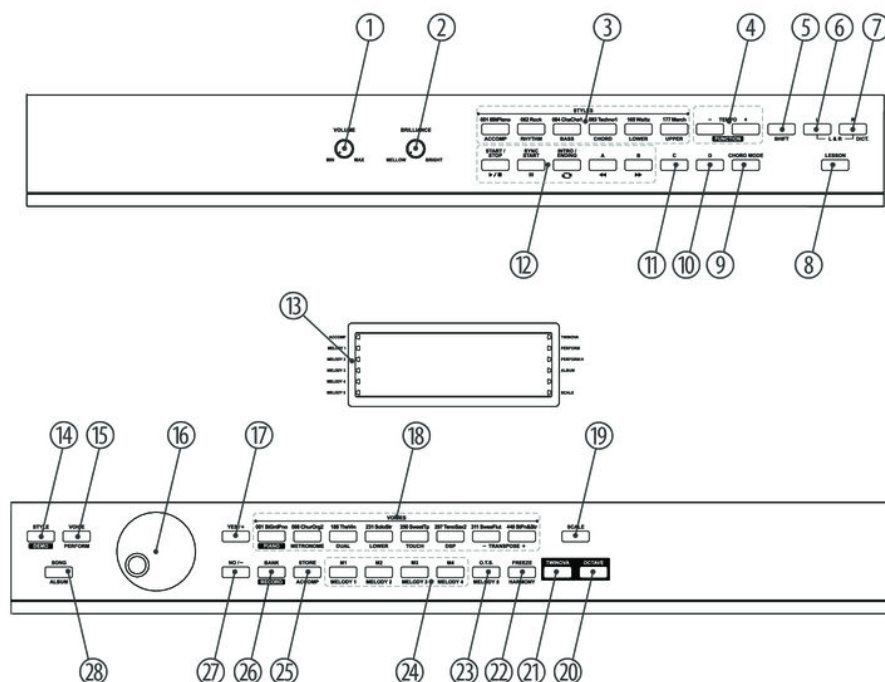
|   |                            |
|---|----------------------------|
| 5 | Connection for pedal cable |
| 6 | Power cord                 |
| 7 | AUX input, AUX output      |
| 8 | MIDI input, MIDI output    |
| 9 | USB port                   |



## Pedals






|    |                 |
|----|-----------------|
| 9  | Soft pedal      |
| 10 | Sostenuto pedal |
| 11 | Sustain pedal   |

## 5 Control panel and connections



- 1 **[VOLUME]**  
Rotary volume control.
- 2 **[BRILLIANCE]**  
Rotary brilliance control.
- 3 **[STYLES]**  
Single button function: direct Style selection.  
Button function with pressed **[SHIFT]** button in 'MIXER' mode:
  - **[ACCOMP]**  
Setting the accompaniment track volume.
  - **[RYTHM]**  
Setting the rhythm section volume.
  - **[BASS]**  
Setting the bass section volume.
  - **[CHORD]**  
Setting the chord section volume.
  - **[LOWER]**  
Setting the dual voice volume.
  - **[UPPER]**  
Setting the first voice volume.

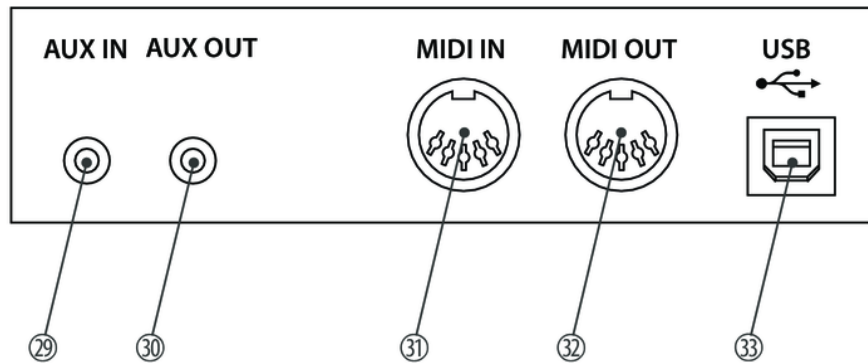


|    |   |   |
|----|---|---|
| 4  | [TEMPO +]   [TEMPO -]   [FUNCTION]<br>Single button function: Increasing / decreasing playback tempo.<br>Button function with pressed [SHIFT] button: Opening function menu |   |
| 5  | [SHIFT]<br>Enables the second function of doubly assigned function buttons.   |   |
| 6  | [L]<br>Left hand voice selection button in lesson mode.   |   |
| 7  | [R]   [DICT]<br>Single button function: Right hand voice selection button in lesson mode.<br>Button function with pressed [SHIFT] button: Opening chord dictionary.         |   |
| 8  | [LESSON]<br>Button to call the lesson mode.   |   |
| 9  | [CHORD MODE]<br>Button to call the chord mode.  |   |
| 10 | [D]<br>Button to insert a fill bar (Fill-in D).   |   |
| 11 | [C]<br>Button to insert a fill bar (Fill-in C).   |   |
| 12 | Buttons for operating mode STYLE<br>■ START / STOP<br>■ SYNC / START<br>■ INTRO / ENDING<br>■ FILL A<br>■ FILL B  | Buttons for operating mode SONG<br>■ START / STOP <br>■ PAUSE <br>■ REPEAT <br>■ REW <br>■ FF  |
| 13 | Display.  |   |
| 14 | [STYLE]   [DEMO]<br>Single button function: Calling Style mode.<br>Button function with pressed [SHIFT] button: Calling Demo mode.  |   |
| 15 | [VOICE]   [PERFORM]<br>Single button function: Calling Voice mode.<br>Button function with pressed [SHIFT] button: Calling Performance-Assistant mode                       |   |
| 16 | Jog dial for selecting functions, parameters and values.  |   |
| 17 | [YES/+].<br>Increases the displayed value by one.   |   |

|    |   |
|----|---|
| 18 | <p><b>[VOICES]</b></p> <p>Single button function: direct Voice selection.</p> <p>Button function with pressed <b>[SHIFT]</b> button:</p> <ul style="list-style-type: none"><li>■ <b>[PIANO]</b><br/>Calling Piano mode.</li><li>■ <b>[METRONOME]</b><br/>Turning the metronome on and off.</li><li>■ <b>[DUAL]</b><br/>Enabling / disabling right hand voice (R2).</li><li>■ <b>[LOWER]</b><br/>Enabling / disabling left hand voice (L).</li><li>■ <b>[TOUCH]</b><br/>Enabling default setting.</li><li>■ <b>[DSP]</b><br/>Turning digital effects on and off.</li><li>■ <b>[TRANPOSE -/+]</b><br/>Transposing the entire claviature up or down.</li></ul> |
| 19 | <p><b>[SCALE]</b></p> <p>Enables / disables the selection of historic tunings.</p>  |
| 20 | <p><b>[OCTAVE]</b></p> <p>Button for octaving the keyboard in TWINOVA mode.</p>   |
| 21 | <p><b>[TWINOVA]</b></p> <p>Enables / disables the TWINOVA mode.</p>   |
| 22 | <p><b>[FREEZE]   [HARMONY]</b></p> <p>Single button function: Calling Freeze mode.</p> <p>Button function with pressed <b>[SHIFT]</b> button: Calling Harmony mode.</p>   |
| 23 | <p><b>[O.T.S.]   [MELODY 5]</b></p> <p>Single button function: Enabling One Button Operation.</p> <p>Button function with pressed <b>[SHIFT]</b> button: Record enabling melody track 5.</p>  |
| 24 | <p><b>[M1] ... [M4]   [MELODY 1] ... [MELODY 4]</b></p> <p>Single button function: Calling user settings M1 ... M4.</p> <p>Button function with pressed <b>[SHIFT]</b> button: Record enabling melody tracks 1 ... 4.</p>   |
| 25 | <p><b>[STORE]   [ACCOMP]</b></p> <p>Single button function: Saving current values as user setting.</p> <p>Button function with pressed <b>[SHIFT]</b> button: Record enabling accompaniment track.</p>  |
| 26 | <p><b>[BANK]   [RECORD]</b></p> <p>Single button function: Selecting memory bank.</p> <p>Button function with pressed <b>[SHIFT]</b> button: Enabling Recording mode.</p>   |

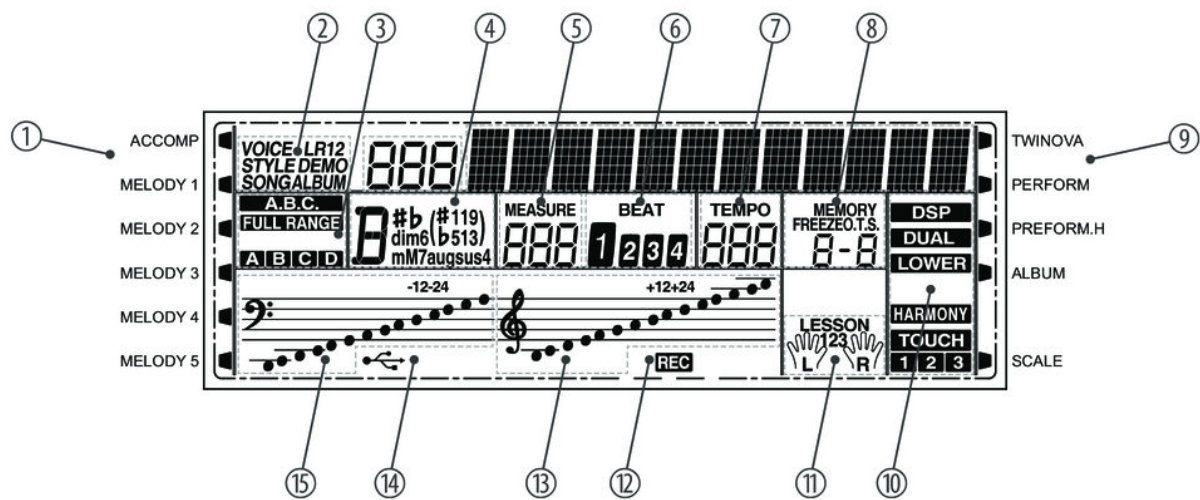
|    |  |
|----|--|
| 27 | [NO/-].<br>Decreases the displayed value by one.   |
| 28 | [SONG]   [ALBUM]<br>Single button function: Calling Song mode.<br>Button function with pressed [SHIFT] button: Calling Album mode. |

### Rear panel connections



|    |  |
|----|--|
| 29 | [AUX IN]<br>Input socket for connecting an external audio device (e.g. MP3 or CD player).                              |
| 30 | [AUX OUT]<br>Output socket for connecting the digital piano to an amplifier, stereo system, mixer or recording device. |
| 31 | [MIDI IN]<br>MIDI in for connecting an external MIDI device.   |
| 32 | [MIDI OUT]<br>MIDI out for connecting an external MIDI device.   |
| 33 | [USB]<br>USB interface to connect a computer.  |

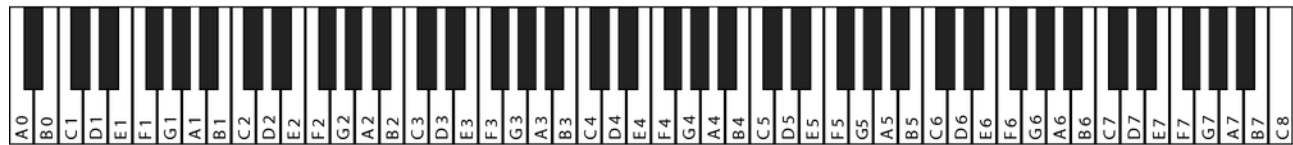
Display



|   |  |    |  |
|---|--|----|--|
| 1 | Accompaniment track / Melody track 1 ... 5               | 9  | Operating mode TWINOVA, PERFORM, PERFORM.H, ALBUM, SCALE |
| 2 | Operating mode VOICE, STYLE, DEMO, SONG, ALBUM           | 10 | Operating mode DSP, DUAL, LOWER, HARMONY, TOUCH          |
| 3 | Chord detection, Full Range, Accompaniment track section | 11 | Lesson mode, left / right hand active                    |
| 4 | Chord  | 12 | Record   |
| 5 | Bar  | 13 | Note in treble clef                                      |
| 6 | Beat   | 14 | USB connection   |
| 7 | Tempo  | 15 | Note in bass clef  |
| 8 | Memory bank, memory location                             |    |  |

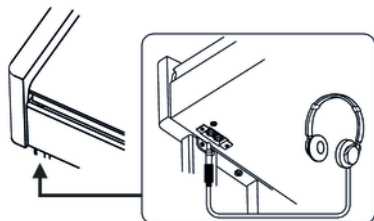
Piano keys

The keyboard keys are referred to in this manual as shown below.



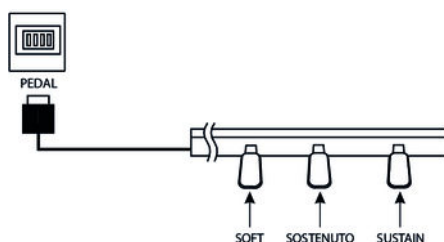
## 6 Connectivity options

### Headphones



To the left beneath the keyboard you find the headphones outlets 1 and 2. Connecting headphones (not supplied) to outlet 2 mutes the speakers. Using outlet 1 maintains the sound output through the speakers.

### Pedals



1. ➤ Connect the foot pedal to the provided connector on the bottom of the pedal box.
2. ➤ Pedal functions:

#### Soft pedal

Using the Soft pedal makes the piano sound smoother and the overall volume is attenuated.

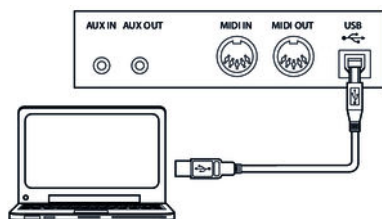
#### Sostenuto pedal

When stepping on the Sostenuto pedal, the currently played notes linger until you release the pedal.

#### Sustain pedal

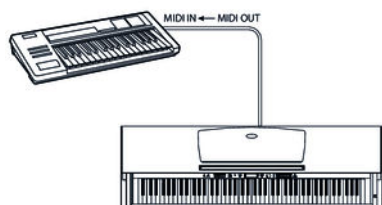
With the sustain pedal all played notes sound longer. This effect simulates the lifting of the damper in an analogue keyboard instrument.

### Computer



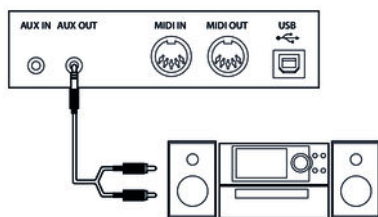
- USB port  
The USB port provides data exchange with a computer.

### MIDI port



- MIDI connections  
MIDI stands for 'Musical Instrument Digital Interface' and represents a global standard for the communication of numerous electronic instruments and sound modules.
  - MIDI IN: The device receives MIDI data from other devices through this port.
  - MIDI OUT: MIDI data generated by the digital piano is sent to other MIDI devices through this port.

### External audio devices



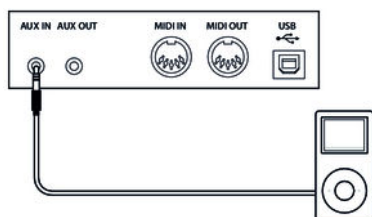
Via the socket *[AUX OUT]* you can connect the digital piano to an amplifier, stereo device, mixing console or recording device. Plug one end of the audio cable into the *[AUX OUT]* socket on the rear panel of the digital piano, and the other end into the input of the respective audio device.



#### **NOTICE!**

To prevent damage to the speakers, turn the volume down to 'Minimum' before you connect other devices to the digital piano.

### MP3 / CD player



Via the socket *[AUX IN]* you can connect a, for example, CD or MP3 player to the digital piano. So you can playback music through the internal speakers of the digital piano and simultaneously play along to it. Plug one end of the audio cable into the *[AUX IN]* socket on the rear panel of the digital piano, and the other end into the output of the respective audio device.

## 7 Switching on / off, basic operation

### 7.1 Turning the digital piano on and off

#### 7.1.1 Normal switching on / off



Press the power button on the right of the claviature to turn the device on and off.



*If the display does not light up after switching on the digital piano, check the power supply.*

*If you hear nothing coming from the speakers, the volume may be set to 'minimum'.*

#### 7.1.2 Automatic shutdown

If the digital piano is not in use, it shuts off after 30 minutes automatically. For adjusting or disabling the automatic shutdown, please proceed as described here [↗ Chapter 7.2.12 'Automatic shutdown' on page 29](#).

To turn the device on again after an automatic shutdown, press the on / off switch to the right of the claviature.

### 7.2 Setting up the digital piano, Function menu

Simultaneously press the buttons *[SHIFT]* and *[FUNCTION + | -]* to call the Functions menu. Select the desired sub menu using the buttons *[FUNCTION + | -]*. You can then change the following parameters using the jog dial or the buttons *[YES / +]* and *[NO / -]* ändern:

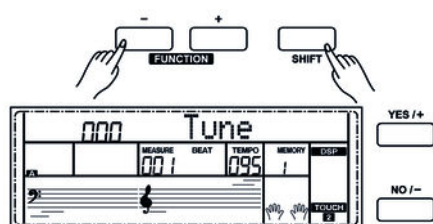
| Option           | LCD       | Control range   | Default value                   |
|------------------|-----------|-----------------|---------------------------------|
| Fine tuning      | Tune      | -50 ... 50      | 000                             |
| Split point      | KeySplit  | 1 ... 88        | 034                             |
| Beats            | BeatType  | 0, 2 ... 9      | 004                             |
| Metronome volume | MetroVol  | 0 ... 127       | 90                              |
| Pedal function   | Pedal     | Sust, St/T, Mem | Sust                            |
| Reverb volume    | ReverbVol | 0 ... 127       | Depending on the selected voice |

| Option                        | LCD          | Control range   | Default value                   |
|-------------------------------|--------------|---|---------------------------------|
| Chorus volume                 | ChorusVol    | 0 ... 127   | Depending on the selected voice |
| Selection Harmony setting     | xxxx         | Duet, Standard Trio, Full Chord, Rock Duet, Country Duet, Country Trio, Block, 4 Close 1, 4 Close 2, 4 Open, 1+5, Octave, Strum, Echo, Tremolo, Trill | Duet                            |
| Effects depth Harmony setting | HarmonySpeed | 1 ... 4   | 1                               |
| MIDI receive channel          | Midi In      | 1 ... 16, ALL   | ALL                             |
| MIDI send channel             | Midi Out     | 1 ... 16  | 001                             |
| Automatic shutoff             | Power off    | 030, 060, OFF   | 030                             |
| Time signature                | Perform Beat | 4–4, 3–4, 2–4, 6–8  | 4–4                             |



If you don't press any key within five seconds after entering the function menu, the menu is automatically closed.

## 7.2.1 Fine tuning

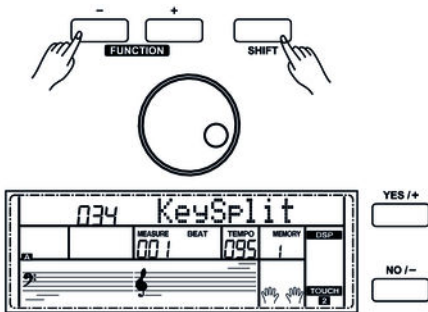


With this function you can fine tune the entire claviature in cent steps.

1. Use [FUNCTION + | -] to switch to 'Tune' menu. The current setting appears on the display.
2. Adjust the tuning using the buttons [YES / +] or [NO / -] or the jog dial in a range of -50 to +50 cents. Each time a key is pressed, the value changes by 1 cent.
3. Simultaneously press [YES / +] and [NO / -], to reset the tuning to the default value.



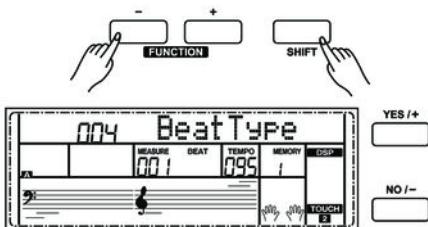
## 7.2.2 Split point



Using this function you can select a point to split the whole claviature into two areas.

1. ➤ Use *[FUNCTION + | -]* to switch to 'KeySplit' menu. The current setting appears on the display.
2. ➤ Set the desired split point using the buttons *[YES / +]* or *[NO / -]* or the jog dial. The keys to the right of this point are the right hand area, the keys of the other sides are the left hand area (chord area).
3. ➤ Simultaneously press *[YES / +]* and *[NO / -]* to reset the split point to the default value (F#3 / 034).

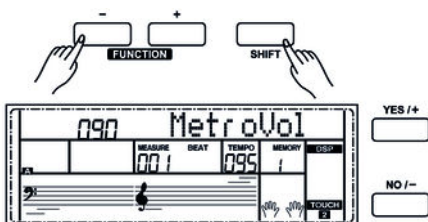
## 7.2.3 Beats



With this function you can set the beats in a range from 0 to 9.

1. ➤ Use *[FUNCTION + | -]* to switch to 'BeatType' menu. The current setting appears on the display.
2. ➤ Adjust the beat using the buttons *[YES / +]* or *[NO / -]* or the jog dial.
3. ➤ Simultaneously press *[YES / +]* and *[NO / -]* to reset the beat to the default value (004).

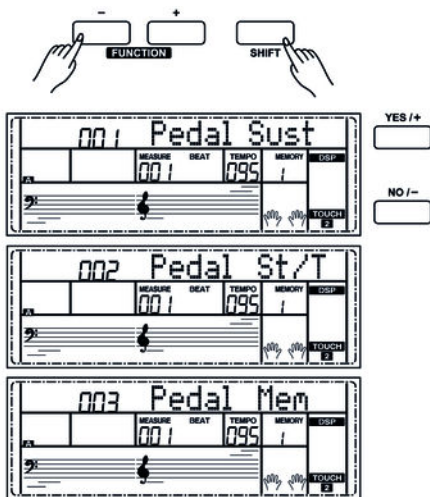
## 7.2.4 Metronome volume



With this function you can set the metronome volume in a range from 0 to 127.

1. ➤ Use *[FUNCTION + | -]* to switch to 'MetroVol' menu. The current setting appears on the display.
2. ➤ Adjust the volume using the buttons *[YES / +]* or *[NO / -]* or the jog dial.
3. ➤ Simultaneously press *[YES / +]* and *[NO / -]* to reset the volume to the default value (090).

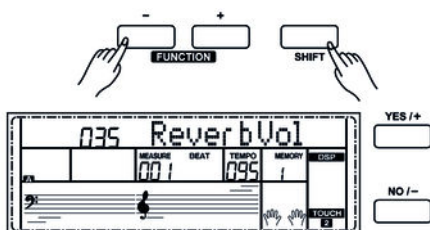
## 7.2.5 Pedal function selection



With this function you can assign the pedal function.

1. ➤ Use **[FUNCTION + | -]** to switch to 'Pedal' menu. The current setting appears on the display.
2. ➤ Use the buttons **[YES / +]** or **[NO / -]** or the jog dial to select the desired pedal function: 'Sust' (Sustain pedal), 'St/T' (enabling / disabling accompaniment track), 'Mem' (controlling storage function).
3. ➤ Simultaneously press **[YES / +]** and **[NO / -]** to reset the pedal function to the default value (Sust).

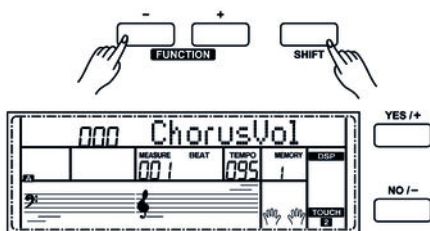
## 7.2.6 Reverb volume



With this function you can set the Reverb effects volume in a range from 0 to 127.

1. ➤ Use **[FUNCTION + | -]** to switch to 'ReverbVol' menu. The current setting appears on the display.
2. ➤ Adjust the effects volume using the buttons **[YES / +]** or **[NO / -]** or the jog dial.
3. ➤ Simultaneously press **[YES / +]** and **[NO / -]** to reset the effects volume to the default value (depending on the selected voice).

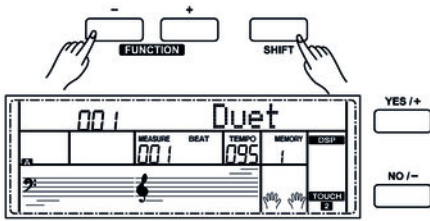
## 7.2.7 Chorus volume



With this function you can set the Chorus effects volume in a range from 0 to 127.

1. ➤ Use **[FUNCTION + | -]** to switch to 'ChorusVol' menu. The current setting appears on the display.
2. ➤ Adjust the effects volume using the buttons **[YES / +]** or **[NO / -]** or the jog dial.
3. ➤ Simultaneously press **[YES / +]** and **[NO / -]** to reset the effects volume to the default value (depending on the selected voice).

### 7.2.8 Selecting a setting for the Harmony mode



With this function you can determine a setting for the Harmony mode.

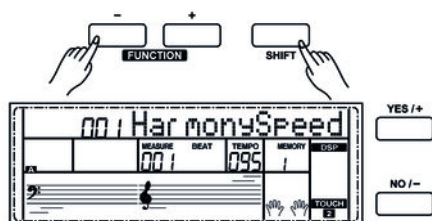
1. ➤ Use [FUNCTION + | -] to switch to Harmony type menu. The description of the current setting, e.g. 'Duet', appears on the display.
2. ➤ Use the buttons [YES / +] or [NO / -] or the jog dial to select the desired setting:

| Number | Display         |
|--------|-----------------|
| 001    | 'Duet'          |
| 002    | 'Standard Trio' |
| 003    | 'Full Chord'    |
| 004    | 'Rock Duet'     |
| 005    | 'Country Duet'  |
| 006    | 'Country Trio'  |
| 007    | 'Block'         |
| 008    | '4 Close 1'     |
| 009    | '4 Close 2'     |
| 010    | '4 Open'        |
| 011    | '1+5'           |
| 012    | 'Octave'        |
| 013    | 'Strum'         |
| 014    | 'Echo'          |
| 015    | 'Tremolo'       |
| 016    | 'Trill'         |

3. ➤ Simultaneously press [YES / +] and [NO / -] to load the default setting (Duet).

For the harmony settings Echo, Tremolo and Trill and you can also set the effects depth as described in the following section.

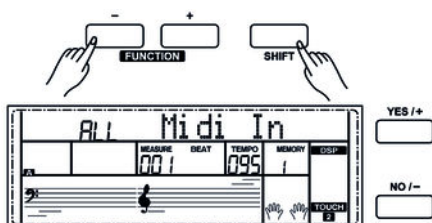
### 7.2.9 Effects depth in Harmony mode



With this function you can determine the effects depth for the Harmony settings Echo, Tremolo and Trill.

1. Use **[FUNCTION + | -]** to switch to 'HarmonySpeed' menu. The current setting appears on the display.
2. Adjust the Effects depth using the buttons **[YES/+]** or **[NO/-]** or the jog dial.
3. Simultaneously press **[YES/+]** and **[NO/-]** to reset the effects depth to the default value (001).

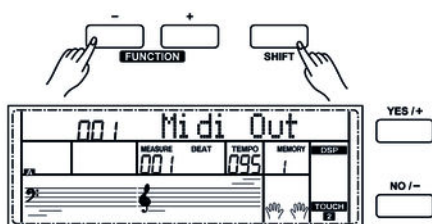
### 7.2.10 Midi receive channel (Midi In)



With this function you can determine on which channel the digital piano receives MIDI information from other devices.

1. Use **[FUNCTION + | -]** to switch to 'Midi In' menu. The current setting appears on the display.
2. Set the desired MIDI receive channel using the buttons **[YES/+]** or **[NO/-]** or the jog dial.
3. Simultaneously press **[YES/+]** and **[NO/-]** to reset the channel selection to the default value (ALL).

### 7.2.11 MIDI send channel (Midi Out)



With this function you can determine on which channel the digital piano sends MIDI information to other devices.

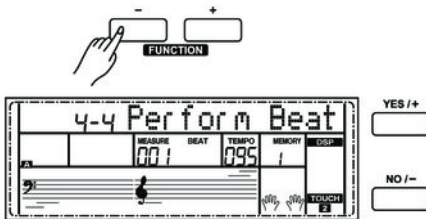
1. Use **[FUNCTION + | -]** to switch to 'Midi Out' menu. The current setting appears on the display.
2. Set the desired MIDI send channel using the buttons **[YES / +]** or **[NO / -]** or the jog dial.
3. Simultaneously press **[YES / +]** and **[NO / -]** to reset the channel selection to the default value (001).

### 7.2.12 Automatic shutdown

With this function you can specify whether and after what time the automatic shutdown of the digital piano is carried out.

1. ➤ Use **[FUNCTION + | -]** to switch to 'Power Off' menu. The current setting appears on the display.
2. ➤ Use **[YES / +]** or **[NO / -]** or the jog dial to select one of the following options:
  - '030' (automatic shutdown after 30 minutes)
  - '060' (automatic shutdown after 60 minutes)
  - 'OFF' (automatic shutdown off).
3. ➤ Simultaneously press **[YES / +]** or **[NO / -]** to enable the default setting (automatic shutdown after 30 minutes).

### 7.2.13 Time signature



Use this function to determine a Time signature (4-4, 3-4, 2-4 or 6-8).

1. ➤ Use **[FUNCTION + | -]** to switch to 'Perform Beat' menu. The current setting appears on the display.
2. ➤ Adjust the Time signature using the buttons **[YES / +]** or **[NO / -]** or the jog dial.
3. ➤ Simultaneously press **[YES / +]** and **[NO / -]** to reset the Time signature to the default value (4-4).

### 7.3 Adjusting the volume



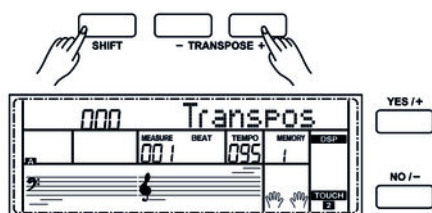
Use the rotary control **[VOLUME]** to set a comfortable volume for playing and practising. Turn this control clockwise to increase the volume. Turn it counter-clockwise to reduce the volume.

## 7.4 Setting the Brilliance



Use the rotary control *[BRILLIANCE]* to adjust the Brilliance of the digital piano. The sound of the entire keyboard range gets softer and darker when you turn the knob to the left, and brighter and more brilliant when you turn the knob to the right.

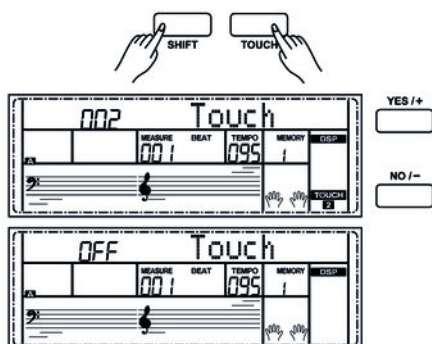
## 7.5 Transposing



With this function you can adjust the pitch of the claviature in 12 semitone steps up or down.

1. ➤ Keep the button *[SHIFT]* pressed and adjust the pitch of the claviature using the buttons *[TRANSPOSE +/-]*.
2. ➤ Simultaneously press *[YES /+]* and *[NO /-]* to restore the default setting (no transposing).

## 7.6 Touch sensitivity

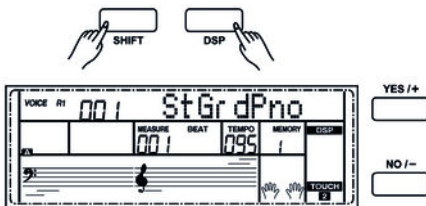


With this function you can adjust the touch response of the keyboard at four levels.

1. ➤ Simultaneously press the buttons *[SHIFT]* and *[TOUCH]* to open the menu for adjusting the touch sensitivity.
2. ➤ Adjust the Touch sensitivity using the buttons *[YES /+]* and *[NO /-]* or the jog dial.
3. ➤ Simultaneously press *[YES /+]* and *[NO /-]* to restore the default setting (002).

| Parameter | Description   |
|-----------|---|
| 'OFF'     | Touch sensitivity is off. This can be very recommendable when playing the organ voice.        |
| '001'     | Soft<br>In this setting, the volume is higher than usual even when playing with a soft touch. |
| '002'     | Normal<br>This setting corresponds to the usual touch response of a keyboard.                 |
| '003'     | Hard<br>In this setting, the volume is lower than usual even when playing with a hard touch.  |

## 7.7 DSP effects depth



This function lets you change the intensity of the Reverb and Chorus effects.

1. ➤ This function is enabled by default when the digital piano is turned on. The DSP indicator lights up on the display.
2. ➤ Simultaneously press the buttons *[SHIFT]* and *[DSP]* to turn the function off and back on again.

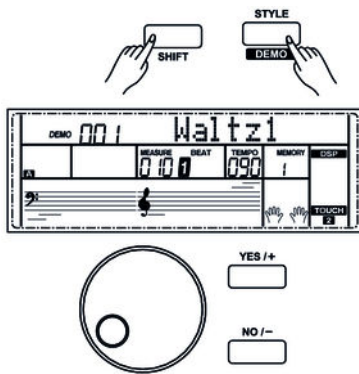
## 7.8 Factory defaults

Proceed as follows to restore the factory default settings:

1. ➤ Turn off the digital piano.
2. ➤ When turning back on, keep the buttons *[YES / +]* and *[NO / -]* pressed.
  - ⇒ All user songs and settings are reset or deleted without further confirmation prompt. The display shows 'Wait ...!'.

## 8 Operating

### 8.1 Demo songs



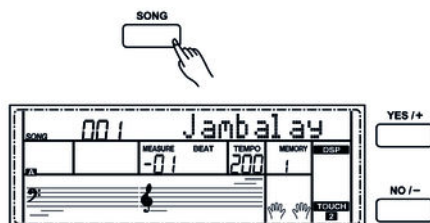
The digital piano offers a total of two demo songs.

1. ➤ Simultaneously press the buttons *[SHIFT]* and *[DEMO]* to enter the DEMO mode. The first demo song is displayed and the both demo songs will be played in a endless loop.
2. ➤ During playback, you can use the buttons *[+ / YES]* and *[- / NO]* or the jog dial to change between both demo songs.
3. ➤ Press the button *[START / STOP]* to stop playback.
4. ➤ Simultaneously press the buttons *[SHIFT]* and *[DEMO]* to exit the DEMO mode.



*In DEMO mode, only the buttons *[SHIFT]*, *[DEMO]*, *[START / STOP]*, *[+ / YES]* and *[- / NO]*, *[VOLUME]* and *[BRILLIANCE]* as well as the jog dial are available. All other buttons are disabled.*

### 8.2 Practise songs



The digital piano offers 60 practise songs, where you can mute the right hand voice and play this part yourself.

1. ➤ **Playing and stopping practise songs**  
Press the button *[SONG]* to switch to Practise song playback mode. 'SONG' appears on the display and all practise songs are being played in an endless loop.  
Press the button *[START / STOP]* again to stop the currently playing practise song. This will not quit the mode for rehearsal song playback 'SONG'.
2. ➤ **Single loop**  
If you again press the button *[START / STOP]* again the current song will be repeated in an endless loop until you press the button *[START / STOP]* again.
3. ➤ **Selecting a practise song**  
Use the jog dial or the buttons *[+ / YES]* or *[- / NO]* to select the desired practise song. If you select a new practise song, the display shows first the title in running text, then the abbreviation.





#### 4. Playback control

##### Pre-count

One bar will be pre-counted before playback begins. The bar display starts with a negative value. The practise song starts with bar 1.

##### Fast-forward, rewind, pause

Keep the ►► pressed during playback to fast-forward the practise song. Use the ◀◀ button to rewind bar by bar. Press the ■ button to pause playback.

##### Repeat function

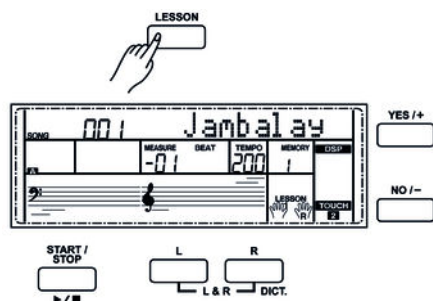
While the practise song is being played, you can set two loop marks with the ⇄ button. Press the button at the desired start point of the loop and again at the end point.

#### 5. To exit practise song playback press any direct select or function button.

### Lesson mode

When practising, it is especially important to play the right **notes** at the right **time**. In this mode you can check your progress. Press the button [LESSON] in SONG mode to enable the lesson mode. There are three training stages. With the buttons [R] and [L] you can specify the hand you want to practise. If you don't select a hand, the right hand will automatically be selected.

#### Lesson 1 - playing in time



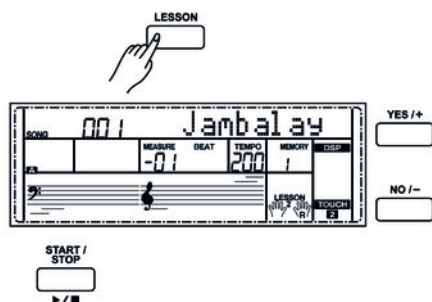
Press the button [LESSON] to call the lesson mode. 'LESSON 1' appears on the display. In this mode, it is only rated whether you play the notes at the right time, but not whether you hit the right notes.

1. Press the button [START/STOP] to start practising.
2. If you have selected 'R' the right hand voice is muted and you have to play the right hand yourself. As long as you are in time, you will hear the right hand voice. If you have selected 'L' the left hand voice is muted and you have to play the left hand yourself. As long as you are in time, you will hear the left hand voice. Are both 'L' and 'R' selected the voices for both hands are muted. You then have to play in time with both hands.
3. After completing the exercise, you will learn the result.

## Lesson 2 - hitting the right notes

Press the button [LESSON] to call the lesson mode 2. 'LESSON 2' appears on the display. In this mode, it is only rated whether you hit the right notes, but not whether you play them at the right time. The rehearsal song continues only when you play the right note.

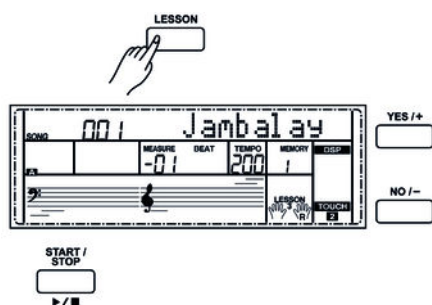
1. ➤ Press the button [START / STOP] to start practising.
2. ➤ After completing the exercise, you will learn the result.



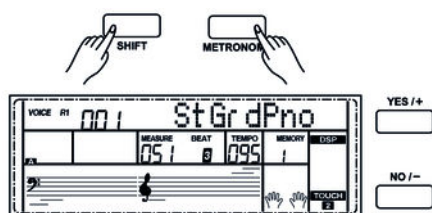
## Lesson 3 - hitting the right notes at the right time.

Press again the button [LESSON] to call the lesson mode 3. 'LESSON 3' appears on the display. In this mode, it is rated whether you play the right notes at the right time. The rehearsal song continues only when both is correct.

1. ➤ Press the button [START / STOP] to start practising.
2. ➤ After completing the exercise, you will learn the result.



## 8.3 Metronome

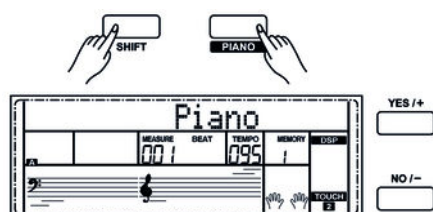


Simultaneously press the buttons [SHIFT] and [METRONOME] to turn the metronome on or off. You can select the beat in the functions menu.

If the Style mode is disabled, the beat set in the function menu is applied after turning on the metronome. If the Style mode is enabled, the beat of the current style is applied.

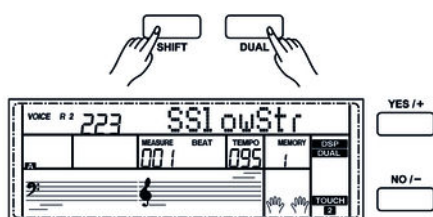
The metronome can be activated along with the style. If the style plays first, the metronome will be enabled with the next bar. On the other hand, the metronome responds instantly to the first beat of the style.

## 8.4 Piano mode



Simultaneously press the buttons *[SHIFT]* and *[PIANO]* to enable the normal piano playing mode. The entire keyboard sounds with the piano voice.

## 8.5 Dual mode



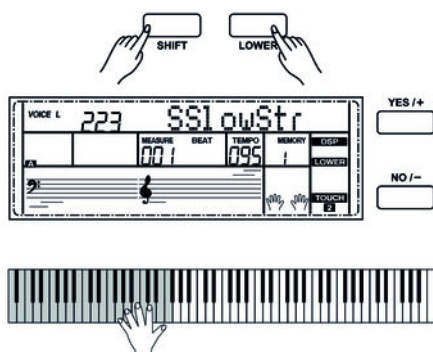
In Dual mode, you can play two voices simultaneously.

1. ➤ Simultaneously press the buttons *[SHIFT]* and *[DUAL]* to enable the DUAL mode. The indicators 'VOICE R2' and 'DUAL' then light simultaneously on the display. The number and the name of the voice R2 appear on the display.
2. ➤ Selecting another dual voice is carried out via direct select buttons, buttons *[+ / YES]* and *[- / NO]* or the jog dial.
3. ➤ Press the button *[DUAL]* again to exit Dual mode. 'VOICE R2' is being disabled and you only hear the voice set for 'VOICE R1'. The indicators 'VOICE R2' and 'DUAL' turn off.



*When the keyboard is split, the Dual mode affects only the keys to the right of the clavature split point. In the area to the left of the split point, chords are supposed to be played.*

## 8.6 Split mode



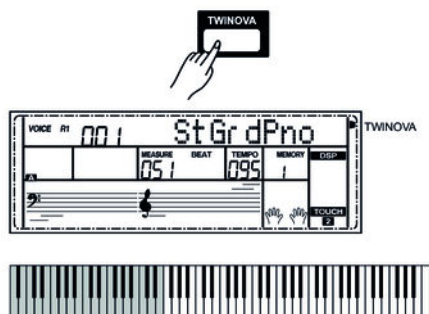
With this function, you can assign different voices to certain keyboard areas.

1. ➤ Simultaneously press the buttons *[SHIFT]* and *[LOWER]* to enable the SPLIT mode. The indicators 'VOICE L' and 'LOWER' then light simultaneously on the display. The number and the name of the left hand voice appear on the display.
2. ➤ Press the buttons *[+ / YES]* or *[- / NO]* or turn the jog dial to select a desired voice for the left hand.
3. ➤ Simultaneously press the buttons *[SHIFT]* and *[LOWER]* to exit Split mode. The indicators 'VOICE L' and 'LOWER' turn off.



The right hand voice is not affected by the selection for the left hand voice.

## 8.7 TWINOVA



In TWINOVA mode, the keyboard is divided into two areas with the same voice and the same pitch.

### 1. Voice selection

First, select the desired voice (see [Chapter 8.8 'Selecting voices' on page 36](#)).

### 2. Enabling TWINOVA

Press the button [TWINOVA] to switch to TWINOVA mode. The LED 'TWINOVA' lights.

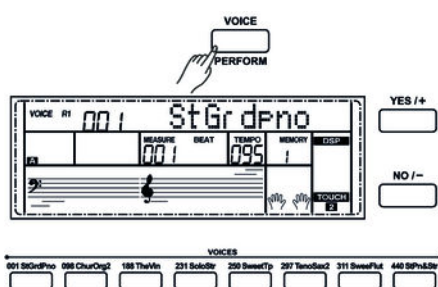
### 3. Split point setting

See [Chapter 7.2.2 'Split point' on page 25](#).

### 4. Octave area setting

Press the button [OCTAVE]. The display shows the current setting. Adjust the octave range using the buttons [+ / YES] or [- / NO] or the jog dial.

## 8.8 Selecting voices



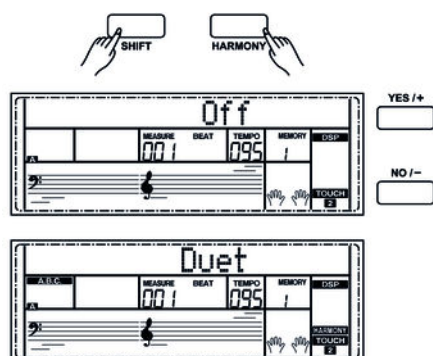
The digital piano offers 500 voices in total.

- Press the button [VOICE] or one of the direct select buttons in the [VOICES] area to enable the VOICE mode. 'VOICE R1' then lights on the display. The number and the name of the currently assigned right hand voice appear on the display.
- To select other voices press one of the direct select buttons, the buttons [+ / YES] or [- / NO] or rotate the jog dial.



If you enable the VOICE mode using the [VOICE] button 'R1' (right hand voice) appears on the display. Repeatedly press the [VOICE] button to successively enable the modes 'R2' (second right hand voice in Dual mode), 'L' (left hand voice) and again 'R1' (right hand voice).

## 8.9 Harmony mode



In harmony mode, appropriate harmonic frequencies are automatically added to the notes played.

### 1. Enabling Harmony mode

Simultaneously press *[SHIFT]* and *[HARMONY]* to switch to Harmony mode. The display shows the standard value 'Off'.

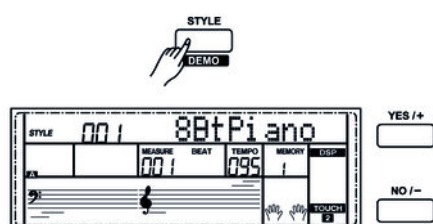
### 2. Preset selection

See [Chapter 7.2.8 'Selecting a setting for the Harmony mode'](#) on page 27

## 8.10 Playing with accompaniment

The digital piano offers a total of 200 Styles. By default, Style '001' is set.

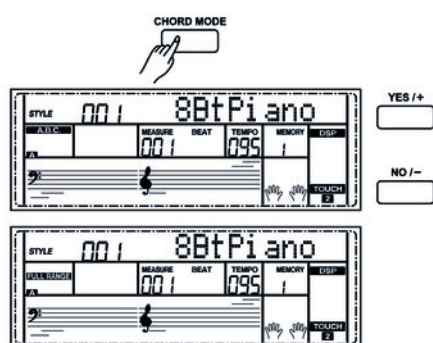
### 8.10.1 Style selection



1. Press the button *[STYLE]* or one of the direct select buttons in the *[STYLES]* area to enable the STYLE mode. 'STYLE' then lights on the display. The number and the name of the current Style appear on the display.

2. To select other Styles press one of the direct select buttons, the buttons *[+ / YES]* or *[- / NO]* or rotate the jog dial.

### 8.10.2 Playing Styles, Chord mode



#### 1. Instant start

Press the button *[START / STOP]* to start the Style.

#### 2. Chord mode

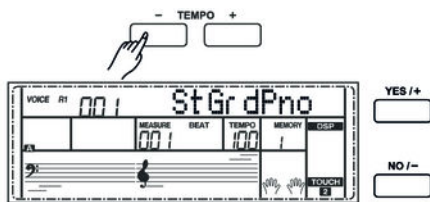
Press the button *[CHORD MODE]* once to enable the Single Finger mode. The LED 'A.B.C.' lights. The area to the left of the split point is now regarded as the chord area. If you play a chord with one finger, bass and chord sound simultaneously.

Press the button *[CHORD MODE]* twice to enable the FULL RANGE mode. The 'FULL RANGE' LED lights. The chord area now covers the entire claviature.

## 3. SYNC START

Press the button [SYNC START] to enable the Sync Start mode. When you now press one of the piano keys in the chord area, Style accompaniment starts synchronously. Accompaniment is being automatically adjusted on chord changes.

## 8.10.3 Tempo



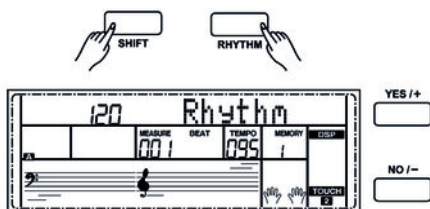
All preprogrammed Styles contain certain Tempo information. These presets can be adjusted at any time.

1. Press the buttons [TEMPO+]/[TEMPO-] or rotate the jog dial to adjust the tempo of a style.
2. Press the buttons [TEMPO+]/[TEMPO-] simultaneously to reset the tempo to the preset default value.



- When Style is not activated, the tempo is automatically changed along with the style to the default value.
- When Style is activated, the tempo is not changed by the style you select.

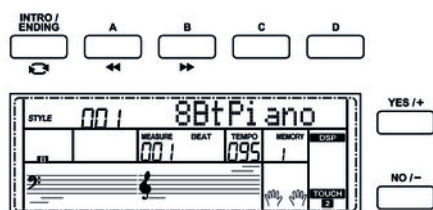
## 8.10.4 Mixer



This menu is used to adjust the volume of the various style elements.

1. Simultaneously press the buttons [SHIFT] and [RHYTHM] to open the Mixer menu. The display shows the option 'Rhythm' and the current volume of the element.
2. Adjust the volume using the buttons [+ / YES] or [- / NO] or the jog dial in a range of 0 ... 127.
3. Repeatedly press the buttons [SHIFT] and [RHYTHM] to successively call the options 'Bass', 'Chord', 'Lower' and 'Upper'. The display shows the currently active option and the volume of the element.
4. Adjust the volume respectively using the buttons [+ / YES] or [- / NO] or the jog dial in a range of 0 ... 127.

## 8.11 Auto Accompaniment



The accompaniment function is controlled via four parameters: INTRO, MAIN (A, B, C, D), FILL (A, B, C, D) and ENDING.

### 1. INTRO

Press the button *[INTRO / ENDING]* before you start to play to insert an intro. Depending on the selected Style the rhythm starts with two to four bars, followed by the main part.

### 2. MAIN (A, B, C, D)

The main part consists of an accompaniment pattern with different sections and is repeated until you enter a new song section (FILL or ENDING). The individual sections of the main part are selected via the buttons *[A]*, *[B]*, *[C]* and *[D]* angewählt.

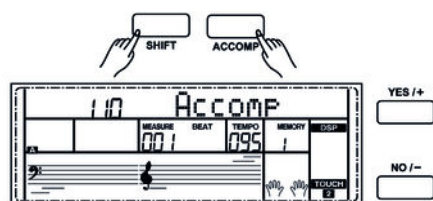
### 3. FILL (A, B, C, D)

Via the buttons *[A]*, *[B]*, *[C]* and *[D]* you can insert four different fill bars.

### 4. ENDING

If you press the button *[INTRO / ENDING]* while Auto Accompaniment is activated, an ending part matched to the accompaniment is inserted and the performance ends.

## 8.12 Accompaniment track volume, muting



1. Simultaneously press the buttons *[SHIFT]* and *[ACCOMP]*. The display shows the current volume setting of the accompaniment track.

2. Adjust the accompaniment track volume using the buttons *[YES / +]* and *[NO / -]* or the jog dial in a range of 0 ... 127.

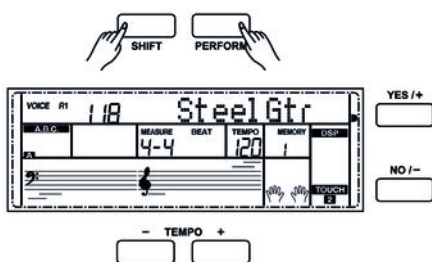
3. If you press the buttons *[YES / +]* and *[NO / -]* simultaneously the accompaniment track is being muted.

4. Press the buttons *[YES / +]* and *[NO / -]* simultaneously again to unmute the accompaniment track.

## 8.13 Performance Assistant

The 'Performance Assistant' is a playing aid, which allows you to simulate different instruments on the claviature.

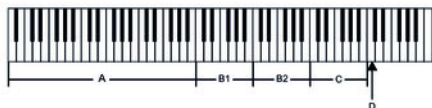




1. ➤ Simultaneously press the buttons *[SHIFT]* and *[PERFORM]* to enable the playing aid.  
GUITAR mode is enabled by default. Use the buttons *[YES / +]* and *[NO / -]* or the jog dial to select a voice.
2. ➤ Adjust the Tempo using the buttons *[TEMPO +]* and *[Tempo -]* to adapt the values).
3. ➤ Adjust the time signature as described under [Chapter 7.2.13 'Time signature'](#) on page 29.

## 8.13.1 GUITAR mode

In this mode, you can simulate a guitar sound on the claviature. The table shows the various play areas.



### Chord area A

This area includes the keys A0 to B3 of the claviature.

The chord type appears in the display. The root of the guitar chord sounds.

### Area B1

This area includes the white keys C4 to B4 of the claviature.

Once the chord type is displayed, you can play several figures of broken chords with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.

### Area B2

This area includes the white keys C5 to A6 of the claviature.

Once the chord type is displayed, you can play a solo track with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.

### Rhythm area C

This area includes the white keys C6 to G6 of the claviature.

Once the chord type is displayed, you can play a rhythm track with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.

### Shift D

Key C7. Press this button to shift upwards.

With keys A6 or B6, you have the opportunity to complete a phrase with a suitable ending.

While playing, you can generate various reverb effects with the black keys in the areas B1 and B2.



### 8.13.2 PIANO mode



After enabling the playing aid, use the [YES / +] or [NO / -] buttons or the jog dial to switch to the PIANO mode.

In this mode, the entire claviature sounds with the piano voice. The table shows the various play areas.

Play basic chords in area A and an accompanying melody in areas B and C an.

Keys A6, B6 and C7 give you the opportunity to complete a phrase with a suitable ending.

### 8.13.3 TRADITIONAL CHINESE INSTRUMENTS mode



After enabling the playing aid, use the [YES / +] or [NO / -] buttons or the jog dial to switch to the TRADITIONAL CHINESE INSTRUMENTS mode.

In this mode, you can simulate five different traditional Chinese instruments: 'Gu Zheng', 'Pi Pa', 'San Xian', 'Yang Qin' and 'Zhong Ruan'. The table shows the various play areas.

Play basic chords in area A and an accompanying melody in areas B and C an.

#### Gu Zheng

Use C7 to switch to Fast-Arpeggio mode. The 21 keys from C4 to B6 then simulate the strings of the Gu Zheng with the following tuning: C, D, E, G, A, c1, d1, e1, g1, a1, c2, d2, e2, g2, a2, c3, d3, e3, g3, a3, c4. Press key C7 again to exit the mode.

### 8.14 Chord detection

By default, the 'Auto Bass Chord' is disabled. Press the button [CHORD MODE] to enable this 'A.B.C.' function. The area to the left of the split point is already known as the chord area. When you now play a chord, both bass and chord voices will sound together.



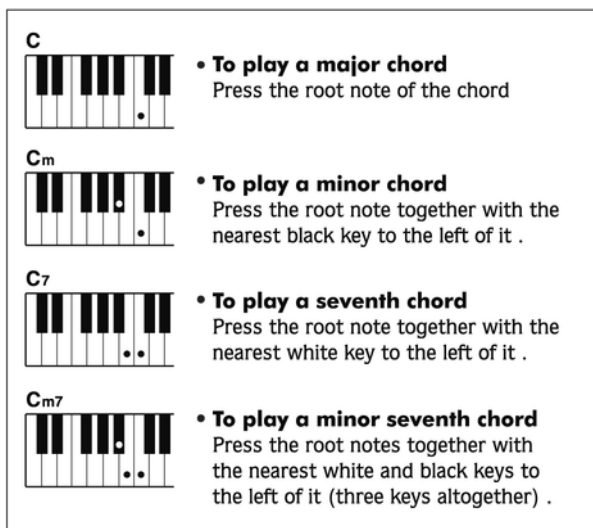
*As the A.B.C. chord detection is based on the root note of the chord, some chords that could be played according to the chord dictionary can not be detected by A.B.C., such as B6, B<sub>b</sub>6, B<sub>b</sub>6(9), B6(9), B<sub>aug</sub>, B<sub>b</sub>aug, B<sub>b</sub>m6, Bm6, A<sub>dim</sub>7, B<sub>b</sub>dim7, Bdim.*

## Two ways to detect a chord: Single and multi-finger mode.

If the chord is played on base of the illustration for multi-finger chords below, it will be detected as a 'multi-fingered' chord. If not, it will be detected as a 'single-finger' chord.

### ■ Single-finger chords

With this method, you can play chords with only one, two or three fingers within the capabilities of the auto accompaniment. Here we show you some examples of single finger chords (C, Cm, C7 and Cm7).

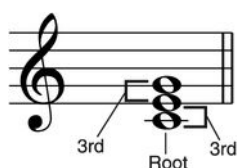


*When the A.B.C. function is activated, press the keys to the left of the split point. The chords are detected as single-finger chords.*

### ■ Multi-finger chords

With this method, you can play chords with normal fingering within the capabilities of the auto accompaniment. Here we show you 32 chords using the example of C chords.

|                            |                           |  |                                     |   |                            |
|----------------------------|---------------------------|--|-------------------------------------|---|----------------------------|
| 0<br>C                     | 1<br>C <sub>6</sub>       | 2<br>C <sub>M7</sub>   | 3<br>C <sub>M7</sub> (#11)          | 4<br>C <sub>M</sub> (9)                 | 5<br>C <sub>M7</sub> (9)   |
| 6<br>C <sub>6</sub> (9)    | 7<br>C <sub>aug</sub>     | 8<br>C <sub>m</sub>  | 9<br>C <sub>m6</sub>                | 10<br>C <sub>m7</sub>                   | 11<br>C <sub>m7</sub> (b5) |
| 12<br>C <sub>m</sub> (9)   | 13<br>C <sub>m7</sub> (9) | 14<br>C <sub>m7</sub> (11)   | 15<br>C <sub>m</sub> M <sub>7</sub> | 16<br>C <sub>m</sub> M <sub>7</sub> (9) | 17<br>C <sub>dim</sub>     |
| 18<br>C <sub>dim7</sub>    | 19<br>C <sub>7</sub>      | 20<br>C <sub>7sus4</sub>   | 21<br>C <sub>7</sub> (b5)           | 22<br>C <sub>7</sub> (9)                | 23<br>C <sub>7</sub> (#11) |
| 24<br>C <sub>7</sub> (b13) | 25<br>C <sub>7</sub> (b9) | 26<br>C <sub>7</sub> (13)  | 27<br>C <sub>7</sub> (#9)           | 28<br>C <sub>M7aug</sub>                | 29<br>C <sub>7aug</sub>    |
| 30<br>C <sub>sus4</sub>    | 31<br>C <sub>1+2+5</sub>  | The notes in brackets are optional;<br>the chords will also be recognised<br>without them. |                                     |   |                            |



Major third – four half steps (semitones)



Minor third – three half steps (semitones)



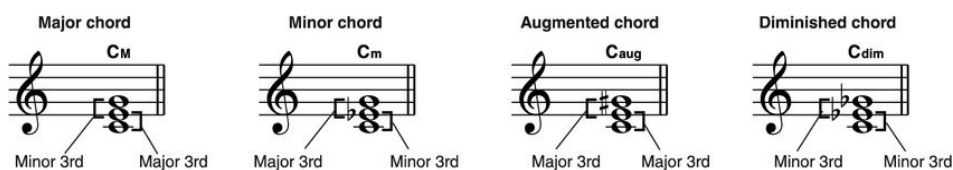
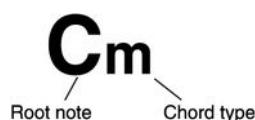
## ■ Chord basics

A chord consists of three or more notes played together. The most commonly used chord is the triad consisting of three notes: Root, third and fifth of the corresponding scale. The C major chord for example is formed from the notes C (root), E (the third note of the C major scale), and G (the fifth note of the C major scale). In the C major chord shown, the lowest note is the root (this is the basic form of the chord - if you play other notes of the chord as the lowest note, this is called 'chord inversion'). The root is the central sound of the chord on which the other chord notes are built upon. The interval between adjacent notes and the root determines whether the result is a major or minor third.

## ■ Chord structure

The lower interval in our triad (between root and third) determines whether the result is a major or minor triad. In addition, we can shift the highest note by a half step up or down to produce two additional chords.

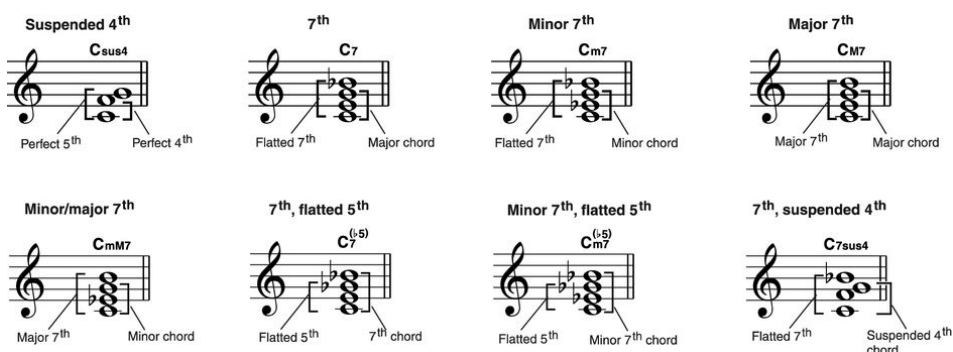
The basic characteristic of the triad remains even if we change the order of the notes to create different inversions. Consecutive chords can be softly connected in a chord progression, e.g. by choosing suitable chord inversions (also called 'voicings').



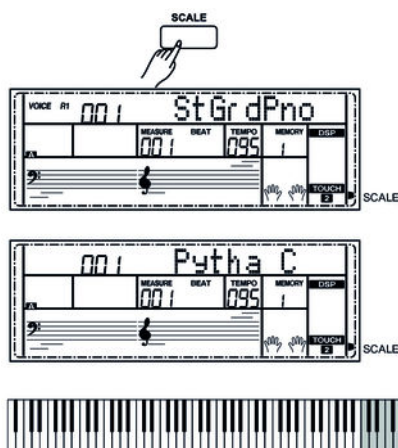
## ■ Chord names

Chord names will tell you everything you need to know about a chord. Through the chord name, you know the root, whether it is a major, minor, or diminished chord, whether a large or flatted seventh is needed and what changes or tensions are used - all at a glance.

## ■ Some chord types



## 8.15 Historic tunings



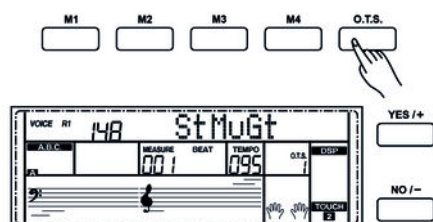
With this function, you can experiment with different historical tunings when playing certain musical genres that have not been composed based on equal temperament.

1. ➤ Press the button [SCALE] to switch to Historic Tunings mode. 'SCALE' lights.
2. ➤ Keep the button [SCALE] pressed to open the selection of historic tunings.

Once the 'SCALE' display flashes, you can use the buttons [YES / +] and [NO / -] to select one of the following settings: Pythagoras, pure major, pure minor, middle tone, Werckmeister or Kirnberger.

3. ➤ Use piano buttons C7 ... B7 to select the root of the selected tuning.
4. ➤ Press again [SCALE] to exit the Historic Tunings mode.

## 8.16 One Touch Setting



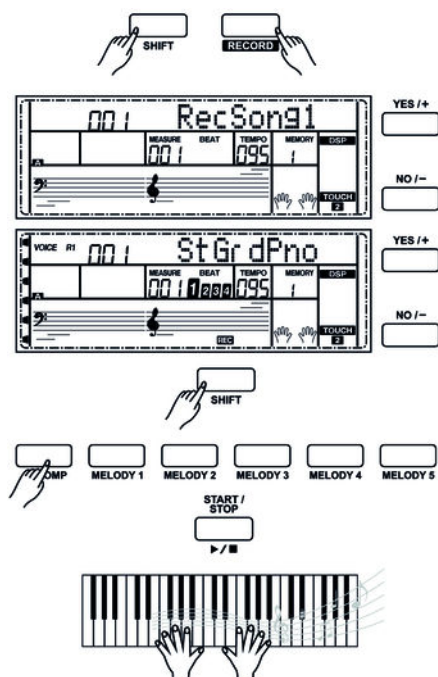
One Touch Setting (O.T.S. or one-key operation) is a convenient function that allows you to immediately reconfigure all settings with just one single key press. This is about rhythm-based compilations of instrument voices. With this function, four parameter types (M1 to M4) can be loaded.

1. ➤ Press the button [O.T.S.] to start this mode. Press one of the buttons [M1] to [M4,] then the device loads the corresponding parameter types that match the current Style. The ABC mode is automatically turned on at that.
2. ➤ Press one of the buttons [M1] to [M4] that provides your desired settings.
3. ➤ Press the button [O.T.S.] to exit O.T.S. mode.
4. ➤ The default parameters stored in O.T.S. are:
  - Voice R1, R2, L on / off
  - Change voice R1, R2, L
  - Volume R1, R2, L
  - Chorus level voice R1, R2, L
  - Reverb level voice R1, R2, L

## 8.17 Record, playback, delete

The digital piano lets you record three user songs that can contain six tracks each (one accompaniment track and five melody tracks).

## 8.17.1 Song recording



1. ➤ Simultaneously press the buttons **[SHIFT]** and **[RECORD]** to select a song. The display shows 'RecSong1' and the current memory location.
2. ➤ Use the buttons **[+/YES]** or **[-/NO]** or the jog wheel to select a free memory location for the recording.
3. ➤ Record stand-by

Press again the buttons **[SHIFT]** and **[RECORD]** to enable the Recording mode. 'REC' lights up in the display. At the same time a free track for recording is automatically selected and the corresponding track display (**[MELODY 1]** to **[MELODY 5]** or **[ACCOMP]**) flashes. The tracks are selected in order **[MELODY 1]** to **[MELODY 5]**, **[ACCOMP]**. If no free track is available, **[MELODY 1]** is selected. Press one of the buttons **[MELODY 1]** to **[MELODY 5]** or **[ACCOMP]** to select the track you want to record to.

4. ➤ Start recording

Press the button **[START / STOP]** on the record enabled digital piano to start recording.



*When you start recording, you may overwrite data on the selected track.*

5. ➤ Selecting tracks

As you select tracks the buttons can have three different states: They flash, are lit or off.

- A **flashing** button indicates that the track has been selected for recording.
- A **lit** button indicates that this track already contains data. These data will be played during recording to another track.
- If a button is **not lit** there is no data on this track or there is data that is not going to be played during recording.

Press one of the buttons **[MELODY 1]** to **[MELODY 5]** or **[ACCOMP]** to select the desired track. The corresponding track is then enabled with the condition described above.

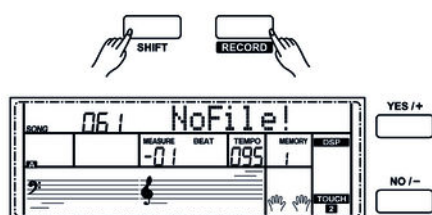


- You can only record one melody track at a time. However, you can record the accompaniment track along with one of the melody tracks.
- A style can only be recorded if it is activated by the **[ACCOMP]** button.

6. ➤ Stopping recording

Press again the buttons **[SHIFT]** and **[RECORD]** to stop recording. If you're recording an accompaniment track press the button **[INTRO / ENDING]** to stop recording after the ending part. When the memory is full the recording stops automatically. In this case, 'Rec\_Full' appears on the display.

## 8.17.2 Playback recordings

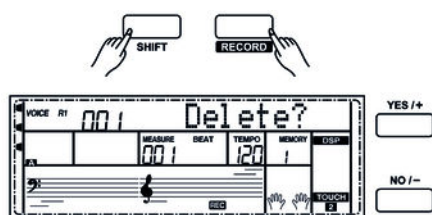


1. ➤ After recording, simultaneously press the buttons *[SHIFT]* and *[RECORD]*. The digital piano changes to Song mode, the last recording is automatically played as a loop.
2. ➤ Press the button *[SONG]* to play all songs in an endless loop, or use the buttons *[+ / YES]* and *[- / NO]* to select a certain song for playback.
3. ➤ Press the button *[PLAY / STOP]* to stop playback.



*If no recording is present and you press the *[PLAY / STOP]* button, 'NoFile!' briefly appears on the display.*

## 8.17.3 Delete recording



1. ➤ Deleting individual sections of the current recording.  
Keep the buttons *[SHIFT]* and *[RECORD]* simultaneously pressed for two seconds. Simultaneously press *[SHIFT]* and *[ACCOMP]* or *[MELODY 1 ... 5]* to delete the accompaniment track or one of the melody tracks of the recording. The indicator of the selected track lights on the display. The confirmation prompt 'Delete?' appears on the display. Confirm with *[+ / YES]*.
2. ➤ Deleting a single recording  
Use the buttons *[+ / YES]* or *[- / NO]* in Song mode to select the recording you want to delete. Confirm the confirmation prompt with *[+ / YES]*. With *[- / NO]* you cancel the deleting.
3. ➤ Deleting all recordings  
Turn off the digital piano. Simultaneously press the buttons *[RECORD]* and *[SONG]* and switch the digital piano back on again. All user recordings are going to be deleted without a prompt.

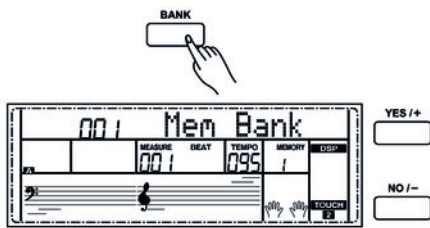
## 8.18 Memory

You can store 32 control panel configurations in the memory of the digital piano and recall the data any time, if required.

### 8.18.1 Memory banks

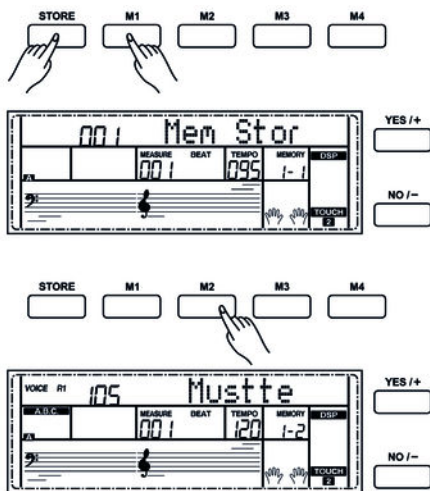
A total of eight memory banks are available, each with four memory locations (M1 to M4).





1. ➤ Press the button [BANK]. 'Mem Bank' appears on the display.
2. ➤ Use the jog dial or the buttons [+ / YES] or [- / NO] to select the desired memory bank.

## 8.18.2 Load / save parameters

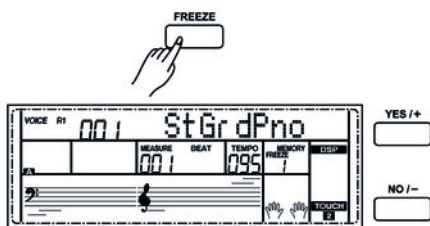


1. ➤ Keep the button [STORE] pressed and simultaneously press one of the buttons [M1] to [M4]. The current settings are then stored in the respective memory location (M1 to M4). Please note that any data previously stored there will be deleted.
2. ➤ Press one of the buttons [M1] to [M4]. The saved settings are then loaded from the corresponding memory and replace the current settings thereby.



*In O.T.S. mode, no settings can be loaded from the device memory.*

## 8.18.3 Lock function



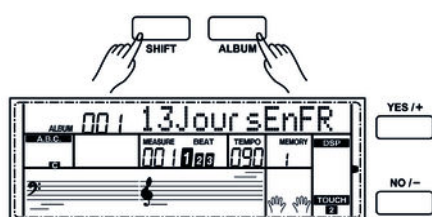
With the locking function, you can prevent the digital piano's current settings for rhythm and tempo from being overwritten with saved settings.

1. ➤ Press the button [FREEZE] to enable the locking function. 'FREEZE' lights up on the display.
2. ➤ Press the button [FREEZE] to disable the locking function. The 'FREEZE' display turns off.

## 8.19 Song album

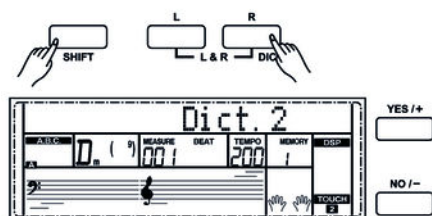
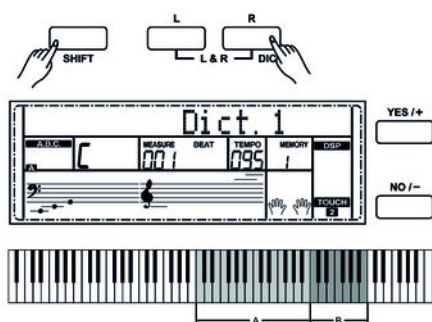
The digital piano offers a song album with a total of 120 stored songs. When you call a song from the album all relevant supporting parameters are loaded automatically.





1. ➤ Simultaneously press the buttons *[SHIFT]* and *[FUNCTION +/-]* to open the song album.
2. ➤ Use the buttons *[+ /YES]* or *[- /NO]* to select the desired song.
3. ➤ To close the song album press one of the direct select buttons *[VOICE]* or *[STYLE]*.

## 8.20 Chord dictionary



The Chord dictionary is basically a built-in 'Chord book' assisting you to find the right tones of a chord if you e.g. know only the chord name, but not how to play it.

### 1. ➤ DICT 1 (chord learning mode)

Simultaneously press the buttons *[SHIFT]* and *[DICT.]* to call the 'DICT.1' mode. In this mode, the keys from C4 on are used to assign the chord type, and the keys from C6 to assign the root note. If you have pressed the keys for chord type and root note, the display shows the chord name and the individual notes in the notation system.

For example, If you want to play a Cm7 chord, press the C6 key (root note C in the Cm7 chord). You will hear no sound, but the root note is displayed.

Press the A4 key (chord type for minor-seventh chord, 'm7'). You will hear no sound, but the chord name and the notes you should play for the specified chord appear in the display.

### 2. ➤ DICT 2 (chord testing mode)

Simultaneously press again the buttons *[SHIFT]* and *[DICT.]* to call the 'DICT.2' mode. The display shows a randomly generated chord name, but not its individual notes in the notation system. If you play the right chord within three seconds, the next randomly generated chord name appears. If this does not happen, the individual notes of the chord in the notation system appear automatically in the display.

In the chord dictionary, the 12 root notes and 24 chord types are presented as follows:

| Key names        | Root note           | Key names        | Root note         |
|------------------|---------------------|------------------|-------------------|
| C6               | C                   | F#6              | F#/G <sub>b</sub> |
| C#6              | C#/D <sub>b</sub>   | G6               | G                 |
| D6               | D                   | A <sub>b</sub> 6 | G#/A <sub>b</sub> |
| E <sub>b</sub> 6 | D#/E <sub>b</sub> 6 | A6               | A                 |
| E6               | E                   | B <sub>b</sub> 6 | A#/B <sub>b</sub> |
| F6               | F                   | B6               | B                 |

| Key names        | Chord type        | Key names        | Chord type          |
|------------------|-------------------|------------------|---------------------|
| C4               | M                 | C5               | 7 <sub>b</sub> 9    |
| C <sup>#</sup> 4 | M(9)              | C <sup>#</sup> 5 | 7(9)                |
| D4               | 6                 | D5               | 7( <sup>#</sup> 9)  |
| E <sub>b</sub> 4 | mM7               | E <sub>b</sub> 5 | 7 <sub>b</sub> 13   |
| E4               | M7                | E5               | 7(13)               |
| F4               | m                 | F5               | 7( <sup>#</sup> 11) |
| F <sup>#</sup> 4 | m(9)              | F <sup>#</sup> 5 | dim7                |
| G4               | m6                | G5               | dim                 |
| A <sub>b</sub> 4 | m7(9)             | A <sub>b</sub> 5 | 7aug                |
| A4               | m7                | A5               | aug                 |
| B <sub>b</sub> 4 | m7 <sub>b</sub> 5 | B <sub>b</sub> 5 | 7sus4               |
| B4               | 7                 | B5               | sus4                |

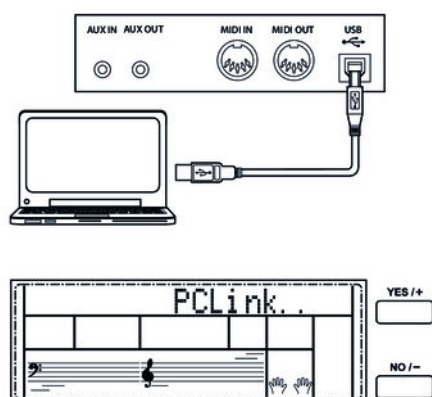
## 8.21 MIDI functions



MIDI stands for 'Musical Instrument Digital Interface' and represents the standard interface between a computer and electronic instruments.

You can exchange MIDI data with other MIDI devices via the MIDI and USB interfaces of the digital piano.

## 8.22 USB connection



Connect the USB port on the rear panel of the digital piano to the USB port on your computer using a standard USB cable (not included).

Turn the digital piano on and open the PCSUITE on your PC. After a successful connection, the display shows 'PCLink..'

Now you can copy up to three MIDI files as user songs to the digital piano, and back up all your styles and recordings to the storage of the PC (for further information, refer to the instruction manual of the software).

## 9 Troubleshooting

| Problem   | Possible causes and solutions  |
|---|--|
| You hear a 'pop' sound from the speakers when switching the digital piano on and off. | This is normal. No need to worry.  |
| No sound can be heard when playing the piano.   | Make sure that the volume control is set appropriately.<br>Check if headphones are plugged into the headphone output 2. Connecting headphones will mute the speakers of the digital piano. |
| Malfunction occurs when using a mobile phone.   | Using a mobile phone near the digital piano can cause interference. To prevent this, turn off the mobile phone or use it only at a safe distance.  |

## 10 Voice list

| No.          | Name                            | LCD      | No.                         | Name                              | LCD      |
|--------------|---------------------------------|----------|-----------------------------|-----------------------------------|----------|
| <b>Piano</b> |                                 |          | 030                         | Velocity Crossfade Electric Piano | VeCrosEP |
| 001          | Stereo Grand Piano              | StGrdPno | 031                         | Layered Electric Piano 1          | LayerEp1 |
| 002          | Acoustic Grand Piano (wide) 1   | GrandPnW | 032                         | Layered Electric Piano 2          | LayerEp2 |
| 003          | Acoustic Grand Piano (dark)     | GrandPnD | 033                         | Nylon Electric Piano              | NylonEP  |
| 004          | Octave Piano 1                  | OctPno1  | 034                         | Warm Electric Piano               | WarmEp   |
| 005          | Octave Piano 2                  | OctPno2  | 035                         | Grand Harpsichord                 | GraHarps |
| 006          | Piano & Strings                 | Pno&Str  | 036                         | Harpsichord 1                     | Harpsi   |
| 007          | Piano & Choir                   | Pno&Cho  | 037                         | Harpsichord 2                     | Harpsi2  |
| 008          | Acoustic Grand Piano            | GrandPno | 038                         | Harpsichord (wide)                | HarpsiW  |
| 009          | Stereo Bright Piano             | StBrnPno | 039                         | Harpsichord (octave mix) 1        | HarpsiO  |
| 010          | Bright Acoustic Piano           | BritePno | 040                         | Harpsichord Release               | HarpsiR  |
| 011          | Bright Acoustic Piano (wide) 1  | BritePnW | 041                         | Harpsichord (with key off)        | HarpsiOf |
| 012          | Chorus Piano                    | ChoruPno | 042                         | Clavi 1                           | Clavi    |
| 013          | Electric Grand Piano            | E.Grand  | 043                         | Clavi 2                           | Clavi2   |
| 014          | Electric Grand Piano (wide)     | E.GrandW | 044                         | Clavi (wide) 1                    | ClaviW1  |
| 015          | Stereo Honk-Tonk                | StHonkTo | 045                         | Clavi (wide) 2                    | ClaviW2  |
| 016          | Honky-tonk Piano                | HnkyTonk | 046                         | Clavi Wah                         | ClaviWa  |
| 017          | Honky-tonk Piano (wide) 1       | HnyTonkW | 047                         | Pulse Clavi                       | PluseClv |
| 018          | Stereo Hard Electric Piano      | StHarEp  | <b>Chromatic Percussion</b> |                                   |          |
| 019          | Detuned Electric Piano 1        | DetunEP1 | 048                         | Celesta 1                         | Celesta  |
| 020          | Detuned Electric Piano 2        | DetunEP2 | 049                         | Celesta 2                         | Celesta2 |
| 021          | Electric Piano 1                | E.Piano1 | 050                         | Birght Celesta                    | BirCelea |
| 022          | Electric Piano 2                | E.Piano2 | 051                         | Celesta & Sine                    | Celes&Si |
| 023          | Electric Piano (wide) 1         | EPnoW1   | 052                         | Reecho Bell                       | RechBell |
| 024          | Electric Piano (wide) 2         | EPnoW2   | 053                         | Celesta & Music Box               | Celes&MB |
| 025          | EP legend                       | EPLegend | 054                         | Glockenspiel 1                    | Glocken  |
| 026          | EP Phase                        | EPPhase  | 055                         | Glockenspiel 2                    | Glocken2 |
| 027          | 60's Electric Piano             | 60'sEP   | 056                         | Music Box 1                       | MusicBox |
| 028          | Electric Piano 1 (velocity mix) | E.PnoV1  | 057                         | Music Box 2                       | MusicBo2 |
| 029          | Electric Piano 2 (velocity mix) | E.PnoV2  | 058                         | Music Box 3                       | MusicBo3 |

| No.          | Name                      | LCD      | No. | Name                              | LCD       |
|--------------|---------------------------|----------|-----|-----------------------------------|-----------|
| 059          | Toy Box                   | ToyBox   | 088 | Percussive Organ 1                | PercOrgn  |
| 060          | Music Box & Harp          | Mbx&Harp | 089 | Percussive Organ 2                | PercOrg2  |
| 061          | Stereo Vibrapho           | StVibes  | 090 | Light Click Organ                 | LClickOr  |
| 062          | Rigid Vibraphone          | RigiVibe | 091 | Detuned Percussive Organ          | DePerOrg  |
| 063          | Vibraphone 1              | Vibra    | 092 | Stereo Rotary Organ               | StRotaOr  |
| 064          | Vibraphone 2              | Vibra2   | 093 | Rock Organ                        | RockOrgn  |
| 065          | Vibraphone (wide) 1       | VibraW   | 094 | Rotary Organ                      | RotaOrgn  |
| 066          | Vibraphone (wide) 2       | VibraW2  | 095 | Slow Rotary Organ                 | SloRotOr  |
| 067          | Vibraphone & Bell         | Bell&Vib | 096 | Detuned Church Organ              | DeChuOrg  |
| 068          | Marimba 1                 | Marimba  | 097 | Church Organ 1                    | ChurOrgn  |
| 069          | Marimba 2                 | Marimba2 | 098 | Church Organ 2                    | ChurOrg2  |
| 070          | Marimba (wide)            | MarimbaW | 099 | Church Organ (octave mix)         | ChurOrgO  |
| 071          | Stereo Marimba            | StMarim  | 100 | Reed Organ                        | ReedOrgn  |
| 072          | Marimba & Vibraphone      | Mar&Vib  | 101 | Puff Organ                        | PuffOrgn  |
| 073          | Xylophone 1               | Xylophon | 102 | Accordion 1                       | Acordion  |
| 074          | Xylophone 2               | Xylopho2 | 103 | Accordion 2                       | Acordin2  |
| 075          | Tubular Bells             | TubulBel | 104 | Accordion 3                       | Acordin3  |
| 076          | Church Bell               | ChurBell | 105 | Mustte                            | Mustte    |
| 077          | Carillon                  | Carillon | 106 | Accord It Solo                    | AccordSo  |
| 078          | Dulcimer                  | Dulcimer | 107 | Sweet Harmonica                   | SwethHarm |
| 079          | Santur                    | Santur   | 108 | Harmonica 1                       | Harmnica  |
| <b>Organ</b> |                           |          | 109 | Harmonica 2                       | Harmnic2  |
| 080          | Drawbar Organ 1           | DrawOrgn | 110 | Tango Accordion                   | TangoAcd  |
| 081          | Drawbar Organ 2           | DrawOrg2 | 111 | Acoustic Guitar (nylon) 1         | NylonGtr  |
| 082          | Soft Stereo Drawbar Organ | SfDrawOr | 112 | Acoustic Guitar (nylon) 2         | NylonGt2  |
| 083          | Mellow Drawbar Organ      | MellDrOr | 113 | Acoustic Guitar (nylon + key off) | NylGtrOf  |
| 084          | Detuned Drawbar Organ 1   | DeDraOrg | 114 | Ukulele                           | Ukulele   |
| 085          | Detuned Drawbar Organ 2   | DeDraOr2 | 115 | Velocity Nylon Guitar             | NyInGtVe  |
| 086          | Italian 60's Organ        | 60'sOrgn | 116 | Chorus Nylon Guitar               | ChoNyGt   |
| 087          | 1970 Percussive Organ     | 1970PcOr | 117 | Bright Nylon Guitar               | BrNyGt    |

| No. | Name                            | LCD      | No.         | Name                                | LCD      |
|-----|---------------------------------|----------|-------------|-------------------------------------|----------|
| 118 | Acoustic Guitar (steel) 1       | SteelGtr | 148         | Stereo Muted Guitar                 | StMuGt   |
| 119 | Acoustic Guitar (steel) 2       | SteelGt2 | 149         | Guitar Pinch                        | GtPinch  |
| 120 | Steel Guitar with Body Sound    | SteelBdy | 150         | Overdriven Guitar                   | Ovrdrive |
| 121 | Tremolo Steel Guitar            | TremGt   | 151         | Distortion Guitar 1                 | DistGtr  |
| 122 | Mandolin                        | Mandolin | 152         | Distortion Guitar 2                 | DistGt2  |
| 123 | 12-Strings Guitar               | 12StrGtr | 153         | Distortion Guitar (with feedback) 1 | FeedbkGt |
| 124 | Chorus Steel Guitar             | ChoSteGt | 154         | Distorted Rhythm Guitar             | DistRyth |
| 125 | Nylon & Steel Guitar            | Ny&SteGt | 155         | 5th Distortion                      | 5thDist  |
| 126 | Stereo Steel Guitar             | StSteGt  | 156         | Stereo Distorted Guitar             | StDistor |
| 127 | Steel Guitar Bend               | GtBend   | 157         | Guitar Feedback                     | GtrFedbk |
| 128 | Steel Guitar Harmonics          | GtHarm   | 158         | Guitar Harmonics                    | GtrHarmo |
| 129 | Velocity Steel Guita 1          | VelSte1  | <b>Bass</b> |                                     |          |
| 130 | Velocity Steel Guita 2          | VelSte2  | 159         | Acoustic Bass 1                     | AcoBass  |
| 131 | Velocity Steel Guita 3          | VelSte3  | 160         | Acoustic Bass 2                     | AcoBass2 |
| 132 | Electric Guitar (jazz) 1        | JazzGtr  | 161         | Jazz Style                          | JazzSty  |
| 133 | Electric Guitar (jazz) 2        | JazzGt2  | 162         | A.Bass & Mute G.T.                  | Bs&GtMu  |
| 134 | Electric Guitar (pedal steel)   | PedalGtr | 163         | Resonant Bass                       | ResBass  |
| 135 | Mellow Guitar                   | MelloGt  | 164         | Wah Bass 1                          | WahBass1 |
| 136 | Velocity Jazz Guitar            | JazzGtVe | 165         | Electric Bass (finger) 1            | FngrBass |
| 137 | Jazz Guitar Detuned             | JazzGtDt | 166         | Electric Bass (finger) 2            | FngrBas2 |
| 138 | Mid Tone Guitar                 | MidTonGt | 167         | Electric Bass (finger) 3            | FngrBas3 |
| 139 | Electric Guitar (clean) 1       | CleanGtr | 168         | Finger Slap Bass                    | FngrSlap |
| 140 | Electric Guitar (clean) 2       | CleanGt2 | 169         | Wah Finger Bass                     | WahFnBs  |
| 141 | Stereo Clean Guitar             | StCleGtr | 170         | Electric Bass (pick) 1              | PickBass |
| 142 | Velocity Clean Guitar           | CleGtVel | 171         | Electric Bass (pick) 2              | PickBas2 |
| 143 | Electric Guitar (detuned clean) | DetClnGt | 172         | Mute Pick Bass                      | MuPkBass |
| 144 | Electric Guitar (muted velo-sw) | MutVelGt | 173         | Fretless Bass 1                     | Fretless |
| 145 | Electric Guitar (muted)         | MutedGtr | 174         | Fretless Bass 2                     | Fretlss2 |
| 146 | Electric Guitar (funky cutting) | FunkGt   | 175         | Slap Bass 1                         | SlapBas1 |
| 147 | Jazz Man                        | JazzMan  | 176         | Slap Bass 2                         | SlapBas2 |

| No.   | Name                     | LCD      | No.             | Name                          | LCD      |
|---|--------------------------|----------|-----------------|-------------------------------|----------|
| 177   | Slap Bass 3              | SlapBas3 | 206             | Pizzicato Strings 1           | PizzStr  |
| 178   | Slap Bass 4              | SlapBas4 | 207             | Pizzicato Strings 2           | PizzStr2 |
| 179   | Synth Bass 1             | SynBass1 | 208             | Octave Pizzicato              | OctoPizz |
| 180   | Synth Bass 2             | SynBass2 | 209             | Orchestral Harp 1             | Harp     |
| 181   | Synth Bass 3 (resonance) | ResoBass | 210             | Orchestral Harp 2             | Harp2    |
| 182   | Synth Bass 4 (attack)    | AtackBas | 211             | Yang Chin                     | YangChin |
| 183   | Synth Bass (warm)        | WarmBass | 212             | Timpani 1                     | Timpani  |
| 184   | Clavi Bass               | ClavBass | 213             | Timpani 2                     | Timpani2 |
| 185   | Hammer                   | Hammer   | <b>Ensemble</b> |                               |          |
| 186   | Synth Bass (rubber)      | RubbBass | 214             | The Strings                   | TheStr   |
| 187   | Attack Pulse             | AtackPls | 215             | String Ensembles 1            | Strings1 |
| <b>Strings &amp; Orchestral Instruments</b> |                          |          | 216             | String Ensembles 2            | Strings2 |
| 188   | The Violin               | TheVin   | 217             | Synth Strings 1               | SynStrs1 |
| 189   | Violin 1                 | Violin   | 218             | Synth Strings 2               | SynStrs2 |
| 190   | Violin 2                 | Violin2  | 219             | Synth Strings 3 Synth Strings | SynStrs3 |
| 191   | Violin (slow attack)     | SlViolin | 220             | Synth Strings 4               | SynStrs4 |
| 192   | Soft Violin              | SoftVin  | 221             | Synth Strings 5               | SynStrs5 |
| 193   | Viola 1                  | Viola    | 222             | Resonant Strings              | ResonSt  |
| 194   | Viola 2                  | Viola2   | 223             | Stereo Slow Strings           | SSlowStr |
| 195   | Viola 3                  | Viola3   | 224             | Slow Strings                  | SlowStr  |
| 196   | Cello 1                  | Cello    | 225             | Strings and Brass             | Str&Bras |
| 197   | Cello 2                  | Cello2   | 226             | Legato Strings                | LegatStr |
| 198   | Celloen 16'              | Celloen  | 227             | Orchestra                     | Orchstr  |
| 199   | Chamber Music            | Chamber  | 228             | Arco Strings                  | ArcoStr  |
| 200   | Contrabass 1             | Contrabs | 229             | 60's Strings                  | 60'sStr  |
| 201   | Contrabass 2             | Contrbs2 | 230             | 1970 Strings                  | 70'Str   |
| 202   | Tremolo Strings 1        | TremStr  | 231             | Solo Strings                  | SoloStr  |
| 203   | Tremolo Strings 2        | TremStr2 | 232             | Choir Aahs 1                  | ChoirAah |
| 204   | Slow Tremolo Strings 1   | SlwTrSt1 | 233             | Choir Aahs 2                  | ChoirAh2 |
| 205   | Slow Tremolo Strings 2   | SlwTrSt2 | 234             | Choir Aahs 3                  | ChoirAh3 |

| No.          | Name                 | LCD      | No.         | Name                         | LCD      |
|--------------|----------------------|----------|-------------|------------------------------|----------|
| 235          | Stereo Choir Aahs    | StChoir  | 264         | Stereo French Horn           | StFrHorn |
| 236          | Strings & Choir      | StrChoir | 265         | Horn Orchestra               | 5thHornO |
| 237          | Humming              | Humming  | 266         | Brass Section 1              | Brass    |
| 238          | Voice Oohs           | VoiceOoh | 267         | Brass Section 2 (octave mix) | Brass2   |
| 239          | Analog Voice         | AnaVoice | 268         | Brass Section 3              | Brass3   |
| 240          | Synth Voice          | SynVoice | 269         | Brass Section 4              | Brass4   |
| 241          | Bass Hit Plus        | BassHit  | 270         | Brass Section 5              | Brass5   |
| 242          | Orchestra Hit 1      | OrchHit  | 271         | Brass Swell                  | BrasSwel |
| 243          | Orchestra Hit 2      | OrchHi2  | 272         | Brass Band                   | BrasBand |
| 244          | Euro Hit             | EuroHit  | 273         | Bright Brass Section         | BrBraSec |
| 245          | 6th Hit              | 6thHit   | 274         | Mute Brass Ensemble          | MuteEns  |
| <b>Brass</b> |                      |          | 275         | Sforzato Brass               | SfrzBras |
| 246          | Trumpet 1            | Trumpet  | 276         | Brass & Strings              | Bras&Str |
| 247          | Trumpet 2            | Trumpet2 | 277         | Synth Brass 1                | SynBras1 |
| 248          | Trumpet 3            | Trumpet3 | 278         | Synth Brass 2                | SynBras2 |
| 249          | Dark Trumpet Soft    | DarkTrp  | 279         | Synth Brass 3                | SynBras3 |
| 250          | Sweet Trumpet        | SweetTp  | 280         | Synth Brass 4                | SynBras4 |
| 251          | Wah Trumpet          | WahTp    | 281         | Analog Synth Brass 1         | AnaBras1 |
| 252          | Trombone 1           | Trombone | 282         | Analog Synth Brass 2         | AnaBras2 |
| 253          | Trombone 2           | Trmbone2 | 283         | Jump Brass                   | JumpBras |
| 254          | Bright Trombone      | BritBone | 284         | Octave Synth Brass           | SynBraOc |
| 255          | Strings & Trombone   | Str&Trb  | 285         | Synth Brass & Strings 1      | SyBr&St1 |
| 256          | Tuba 1               | Tuba     | 286         | Synth Brass & Strings 2      | SyBr&St2 |
| 257          | Tuba 2               | Tuba2    | 287         | Echo Brass                   | EchoBr   |
| 258          | Soft Tuba            | SoftTuba | <b>Reed</b> |                              |          |
| 259          | Muted Trumpet 1      | MuteTrp1 | 288         | Soprano Sax 1                | SprnoSax |
| 260          | Muted Trumpet 2      | MuteTrp2 | 289         | Soprano Sax 2                | SprnSax2 |
| 261          | French Horn 1        | FrHorn   | 290         | Soprano Sax Soft             | SopSaxSf |
| 262          | French Horn 2 (warm) | FrHorn2  | 291         | Slow Soprano Sax             | SlSopSax |
| 263          | French Horn 3        | FrHorn3  | 292         | Sweet Soprano Sax            | SweSpSax |



| No.               | Name            | LCD      | No.              | Name                       | LCD      |
|-------------------|-----------------|----------|------------------|----------------------------|----------|
| 293               | Alto Sax        | AltoSax  | 321              | Square                     | Square   |
| 294               | Soft Alto Sax   | SoftAlto | 322              | Lead 1b (sine)             | SineLead |
| 295               | Super Alto Sax  | SuprAlto | 323              | Square Lead 1              | SquarLd1 |
| 296               | Tenor Sax 1     | TenorSax | 324              | Lead 1a (square 2)         | SquarLd2 |
| 297               | Tenor Sax 2     | TenoSax2 | 325              | Lead 2a (sawtooth 2)       | SawLead2 |
| 298               | Baritone Sax    | BariSax  | 326              | Lead 2d (sequenced analog) | SquAnaLd |
| 299               | Sweet Oboe      | SwetOboe | 327              | Lead 2 (sawtooth)          | SawLead1 |
| 300               | Oboe 1          | Oboe     | 328              | Lead 2b (saw + pulse)      | SawPlsLd |
| 301               | Oboe 2          | Oboe2    | 329              | Lead 2c (double sawtooth)  | DubSawLd |
| 302               | English Horn 1  | EngHorn  | 330              | Lead 3 (calliope)          | CaliopLd |
| 303               | English Horn 2  | EngHorn2 | 331              | Lead 4 (chiff)             | ChiffLd  |
| 304               | Woodwinds       | Woodwind | 332              | Lead 5 (charang)           | CharanLd |
| 305               | Bassoon 1       | Bassoon  | 333              | Lead 5a (wire lead)        | WireLead |
| 306               | Bassoon 2       | Basson2  | 334              | Lead 6 (voice)             | VoiceLd  |
| 307               | Clarinet 1      | Clarinet | 335              | Lead 7 (fifths)            | FifthsLd |
| 308               | Clarinet 2      | Clarine2 | 336              | Lead 8 (bass + lead)       | BassLead |
| <b>Pipe</b>       |                 |          | 337              | Lead 8a (soft wrl)         | SftWrlLd |
| 309               | Piccolo         | Piccolo  | <b>Synth Pad</b> |                            |          |
| 310               | Flute           | Flute    | 338              | Pad 1 (new age)            | NewAgePd |
| 311               | Sweet Flute     | SwetFlut | 339              | Slow Square                | SlowSqu  |
| 312               | Recorder        | Recorder | 340              | New Year Pad               | NewYrPd  |
| 313               | Sweet Pan Flute | SwPanFu  | 341              | Pad 2 (warm)               | WarmPad  |
| 314               | Pan Flute       | PanFlute | 342              | PWM Pad                    | PWMPad   |
| 315               | Blown Bottle    | Bottle   | 343              | Pad 2a (sine pad)          | SinePad  |
| 316               | Shakuhachi      | Shakhchi | 344              | Horn Pad                   | HornPad  |
| 317               | Whistle 1       | Whistle  | 345              | Pad 3 (polysynth) 1        | PolySyPd |
| 318               | Whistle 2       | Whistle2 | 346              | Click Pad                  | ClickPd  |
| 319               | Ocarina         | Ocarina  | 347              | Analog Pad                 | AnaloPad |
| <b>Synth Lead</b> |                 |          | 348              | Poly Pad                   | PolyPad  |
| 320               | Lead 1 (square) | SquareLd | 349              | Pad 4 (choir)              | ChoirPad |

| No.                 | Name                 | LCD      | No.               | Name                      | LCD      |
|---------------------|----------------------|----------|-------------------|---------------------------|----------|
| 350                 | Pad 4a (itopia)      | ItopiaPd | 378               | Shamisen                  | Shamisen |
| 351                 | Pad 5 (bowed) 1      | BowedPad | 379               | Koto                      | Koto     |
| 352                 | Pad 6 (metallic) 1   | MetalPad | 380               | Taisho Koto               | TaishoKt |
| 353                 | Pan Pad              | PanPad   | 381               | Kalimba                   | Kalimba  |
| 354                 | Pad 7 (halo) 1       | HaloPad  | 382               | Bag Pipe                  | Bagpipe  |
| 355                 | Pad 7 (halo) 2       | HaloPad2 | 383               | Fiddle                    | Fiddle   |
| 356                 | Pad 8 (sweep) 1      | SweepPad | 384               | Shanai                    | Shanai   |
| 357                 | Pad 8 (sweep) 2      | SweePad2 | <b>Percussive</b> |                           |          |
| 358                 | Dipolar Pad          | DipolPad | 385               | Tinkle Bell               | TnklBell |
| 359                 | Rising               | Rising   | 386               | Agogo                     | Agogo    |
| 360                 | Congregate           | Congrega | 387               | Steel Drums               | SteelDrm |
| <b>Synth SFX</b>    |                      |          | 388               | Woodblock                 | WoodBlok |
| 361                 | FX 1 (rain)          | FXRain   | 389               | Castanets                 | Castanet |
| 362                 | FX 2 (soundtrack)    | Soundtrk | 390               | Taiko Drum                | TaikoDum |
| 363                 | Progenitor           | Progenit | 391               | Concert Bass Drum         | ConBasDm |
| 364                 | FX 3a (synth mallet) | SynMalet | 392               | Melodic Tom 1             | MelodTom |
| 365                 | FX 3 (crystal)       | Crystal  | 393               | Melodic Tom 2 (power)     | MeldTom2 |
| 366                 | FX 4 (atmosphere)    | Atmosphr | 394               | Synth Drum                | SynDrum  |
| 367                 | Warm Air             | WarmAir  | 395               | Rhythm Box Tom            | RhythBox |
| 368                 | FX 5 (brightness)    | Bright   | 396               | Electric Drum             | ElecDrum |
| 369                 | FX 6 (goblins)       | Goblins  | 397               | Reverse Cymbal            | RevCymb1 |
| 370                 | Choir Bell           | ChoirBel | <b>SFX</b>        |                           |          |
| 371                 | FX 7 (echoes) 1      | Echoes   | 398               | Guitar Fret Noise         | FretNoiz |
| 372                 | FX 7a (echo bell) 1  | EchoBell | 399               | Guitar Cutting Noise      | GtCtNoiz |
| 373                 | FX 7b (echo pan)     | EchoPan  | 400               | Acoustic Bass String Slap | BsStSlap |
| 374                 | FX 8 (sci-fi)        | Sci-Fi   | 401               | Breath Noise              | BrthNoiz |
| <b>Ethnic Misc.</b> |                      |          | 402               | Flute Key Click           | FlKeyClk |
| 375                 | Sitar 1              | Sitar    | 403               | Seashore                  | Seashore |
| 376                 | Sitar 2 (bend)       | Sitar2   | 404               | Rain                      | Rain     |
| 377                 | Banjo                | Banjo    | 405               | Thunder                   | Thunder  |

| No. | Name             | LCD       | No. | Name                           | LCD       |
|-----|------------------|-----------|-----|--------------------------------|-----------|
| 406 | Wind             | Wind      | 436 | Gunshot                        | Gunshot   |
| 407 | Stream           | Stream    | 437 | Machine Gun                    | MachnGun  |
| 408 | Bubble           | Bubble    | 438 | Lasergun                       | Lasergun  |
| 409 | Bird Tweet 1     | Tweet     | 439 | Explosion                      | Explosio  |
| 410 | Dog              | Dog       | 440 | Stereo Piano & Strings Pad     | StPn&Str  |
| 411 | Horse Gallop     | HouseGlp  | 441 | Stereo Piano & Choir           | StPn&Cho  |
| 412 | Bird Tweet 2     | Tweet2    | 442 | Stereo Piano & Synth Strings   | StPn&Syn  |
| 413 | Sheep            | Sheep     | 443 | Stereo Piano & Warm Pad        | StPn&Pad  |
| 414 | Telephone Ring 1 | Telephone | 444 | Stereo Piano & Soft Ep         | StPn&Ep   |
| 415 | Telephone Ring 2 | Telphon2  | 445 | FM Electric Piano              | FMEp      |
| 416 | Door Creaking    | DoorCrek  | 446 | Digital Piano                  | DigiPn    |
| 417 | Door             | Door      | 447 | E.Piano & Strings              | EP&Str    |
| 418 | Scratch          | Scratch   | 448 | E.Piano & Ac Guitar            | EP&Gt     |
| 419 | Wind Chime       | WindChim  | 449 | E.Piano & Vibraphone           | Ep&Vib    |
| 420 | Helicopter       | Helicptr  | 450 | E.Piano 2 & Pad                | Ep&Pad    |
| 421 | Car Engine       | CarEngin  | 451 | E.Piano 2 & Strings            | Ep2&Str   |
| 422 | Car Stop         | CarStop   | 452 | Harpsichord & Stereo Strings   | Harps&Str |
| 423 | Car Pass         | CarPass   | 453 | Music Box & Stereo Strings     | Mxb&Str   |
| 424 | Car Crash        | CarCrash  | 454 | Vibraphone & Stereo Strings    | Vib&Str   |
| 425 | Siren            | Siren     | 455 | Vibraphone Octave              | VibOct    |
| 426 | Train            | Train     | 456 | Vibraphone & Marimba & Kalimba | VibMK     |
| 427 | Jetplane         | Jetplane  | 457 | Marimba & Kalimba              | Mar&Kal   |
| 428 | Starship         | Starship  | 458 | Marimba Delay                  | MarDel    |
| 429 | Burst Noise      | BurtNois  | 459 | Xylophone Octave               | XylopOct  |
| 430 | Applause         | Applause  | 460 | Organ & Stereo Strings         | Org&Str   |
| 431 | Laughing         | Laughing  | 461 | Stereo Organ & Piano           | StOr&Pno  |
| 432 | Screaming        | Scream    | 462 | Rock Organ & Strings           | RoOr&Str  |
| 433 | Punch            | Punch     | 463 | Church Organ & Choir           | ChuOr&Ch  |
| 434 | Heart Beat       | HeartBet  | 464 | Church Organ & Strings         | ChuOr&St  |
| 435 | Footsteps        | Footstep  | 465 | Acoustic Guitar & Flute        | Gt&Fl     |

| No. | Name                        | LCD      | No.                       | Name           | LCD      |
|-----|-----------------------------|----------|---------------------------|----------------|----------|
| 466 | Acoustic Guitar & Clav      | Gt&Cl    | <b>Arabic Instruments</b> |                |          |
| 467 | 24 String Guitar            | 24Gt     | 486                       | Kanoun         | Kanoun   |
| 468 | Steel Guitar & Warm Pad     | StGt&Pad | 487                       | Aoud           | Aoud     |
| 469 | Stereo Strings & Horn       | StStr&Hn | 488                       | Bouzouk        | Bouzouk  |
| 470 | Orchestra                   | Orchest  | 489                       | Nay            | Nay      |
| 471 | Full Strings 1              | FullStr1 | 490                       | Mizmar         | Mizmar   |
| 472 | Full Strings 2              | FullStr2 | <b>Drum Set</b>           |                |          |
| 473 | Symphonic                   | Symphon  | 491                       | Standard Set   | StandSet |
| 474 | Stereo Choir & Strings      | StCh&Str | 492                       | Room Set       | RoomSet  |
| 475 | Stereo Choir & Steel Guitar | Ch&Gt    | 493                       | Power Set      | PowerSet |
| 476 | 3 Trumpet Loose             | 3Trump   | 494                       | Electronic Set | ElectSet |
| 477 | Trombone & Stereo Strings   | Tb&StStr | 495                       | Analog Set     | AnalgSet |
| 478 | 3 Trombones Loose           | 3Tromb   | 496                       | Jazz Set       | JazzSet  |
| 479 | 3 Muted Trumpets Loose      | 3MuTrumb | 497                       | Brush Set      | BrushSet |
| 480 | Club Brass                  | ClubBras | 498                       | Orchestra Set  | OrcheSet |
| 481 | Brass & Woodwinds           | Br&Wood  | 499                       | SFX Set        | SFXSet   |
| 482 | Woodwinds & Strings         | Wind&Str | 500                       | Arabic Set     | ArabiSet |
| 483 | Section Woods Small         | WoodSma  |                           |                |          |
| 484 | Pan Flute & Strings Pad     | PanFu&St |                           |                |          |
| 485 | Koto & Shamisen             | Koto&Sh  |                           |                |          |

# 11 Styles list

| No.            | Name            | LCD      | No.           | Name            | LCD      |
|----------------|-----------------|----------|---------------|-----------------|----------|
| <b>8 BEAT</b>  |                 |          | 029           | 16Beat Modern   | 16BModr  |
| 001            | 8Beat Piano     | 8BtPiano | 030           | 16Beat 3        | 16Beat3  |
| 002            | 8Beat 1         | 8Beat1   | 031           | Cool Beat       | CoolBeat |
| 003            | 8Beat Shuffle   | 8BtShufl | 032           | 16Beat Ballad 2 | 16BtBld2 |
| 004            | Guitar Pop 1    | GtPop1   | 033           | 16Beat 4        | 16Beat4  |
| 005            | 8Beat Hip Hop   | 8BtHiHop | 034           | Pop Shuffle     | PopShufl |
| 006            | 8Beat R&B       | 8BeatR&B | <b>POP</b>    |                 |          |
| 007            | 8Beat Pop       | 8BtPop   | 035           | Pop Rock 1      | PopRock1 |
| 008            | Pop Funk 1      | PopFunk1 | 036           | Pop Dance 1     | PopDanc1 |
| 009            | Rhythm & Beat 1 | Rhy&Bt1  | 037           | Pop Fusion      | PopFusn  |
| 010            | 8Beat Disco 1   | 8BtDisc1 | 038           | Analog Night 1  | AnalgNt1 |
| 011            | 8Beat Rock      | 8BtRock  | 039           | 6/8 Pop         | 6/8Pop   |
| 012            | 8Beat 2         | 8Beat2   | 040           | Brit. Pop 1     | BritPop1 |
| 013            | Sweet Beat      | SweetBt  | 041           | Brit. Pop 2     | BritPop2 |
| 014            | 8Beat Dance     | 8BtDance | 042           | Pop Hit         | PopHit   |
| 015            | 8Beat Disco 2   | 8BtDisc2 | 043           | Fusion Shuffle  | FusShufl |
| 016            | 8Beat 3         | 8Beat3   | 044           | Analog Night 2  | AnalgNt2 |
| 017            | 60's 8Beat      | 60's8Bt  | 045           | Pop Beat        | PopBeat  |
| <b>16 BEAT</b> |                 |          | 046           | Soft Beat       | SoftBeat |
| 018            | 16Beat 1        | 16Beat1  | 047           | 60's Pop        | 60'sPop  |
| 019            | 16Beat Funk 1   | 16BtFuk1 | 048           | Sting Latin     | StigLatn |
| 020            | 16Beat Ballad 1 | 16BtBld1 | <b>BALLAD</b> |                 |          |
| 021            | 16Beat R&B      | 16BtR&B  | 049           | R&B Ballad 1    | R&BBad1  |
| 022            | Pop 16Beat 1    | Pop16Bt1 | 050           | Guitar Ballad   | GtBallad |
| 023            | 16Beat Funk 2   | 16BtFuk2 | 051           | Ballad Rcok     | BalladRk |
| 024            | 16Beat Dance    | 16BDanc  | 052           | Piano Pop       | PianoPop |
| 025            | 16Beat 2        | 16Beat2  | 053           | Soft Ballad     | SoftBald |
| 026            | Pop 16Beat 3    | Pop16Bt3 | 054           | Natural Ballad  | NatuBld  |
| 027            | Modern 16Beat   | Modrn16B | 055           | Love Ballad     | LoveBld  |
| 028            | 16Beat Hot      | 16BtHot  | 056           | Easy Ballad     | EasyBld  |

| No.         | Name             | LCD      | No.                    | Name         | LCD      |
|-------------|------------------|----------|------------------------|--------------|----------|
| 057         | Slow Ballad      | SlowBald | 085                    | Cha Cha 2    | ChaCha2  |
| 058         | Folk Ballad      | FolkBld  | 086                    | Beguine 1    | Beguine1 |
| 059         | Pop Ballad 1     | PopBld1  | 087                    | Beguine 2    | Beguine2 |
| 060         | Pop Ballad 2     | PopBld2  | 088                    | Rumba 1      | Rumba1   |
| 061         | EP Ballad        | EPBallad | 089                    | Samba 1      | Samba1   |
| <b>ROCK</b> |                  |          | 090                    | Samba 2      | Samba2   |
| 062         | Rock             | Rock     | 091                    | Jive         | Jive     |
| 063         | New Wave         | NewWave  | 092                    | Fox Trot     | FoxTrot  |
| 064         | Ska              | Ska      | <b>DANCE</b>           |              |          |
| 065         | Pop Rock 2       | PopRock2 | 093                    | Techno 1     | Techno1  |
| 066         | Slow Rock        | SlowRock | 094                    | Hip Hop 1    | HipHop1  |
| 067         | 70's Rock & Roll | 70'sRock | 095                    | Dream Dance  | Drmdance |
| 068         | Folk Rock        | FolkRock | 096                    | House        | House    |
| 069         | Soft Rock        | SoftRock | 097                    | Pop Dance 2  | PopDanc2 |
| 070         | Easy Rock        | EasyRock | 098                    | Down Beat    | DownBeat |
| 071         | New Shuffle      | NewShufl | 099                    | Progressive  | Progress |
| 072         | Rock Hip Hop     | RkHipHop | 100                    | Rap 1        | Rap1     |
| 073         | Rock&Roll 1      | R'N'R1   | 101                    | Disco        | Disco    |
| 074         | Rock & Roll 2    | R'N'R2   | 102                    | Soft Disco   | SoftDisc |
| <b>ROCK</b> |                  |          | 103                    | Disco Party  | DscParty |
| 075         | Tango 1          | Tango1   | 104                    | 70's Disco   | 70'sDisc |
| 076         | Spain Matador    | Matador  | 105                    | Club Dance   | ClubDanc |
| 077         | Twist 1          | Twist1   | 106                    | Euro Dance   | EuroDanc |
| 078         | Big Band Fox     | BandFox  | 107                    | Hip Hop 2    | HipHop2  |
| 079         | Tango 2          | Tango2   | <b>SOUL &amp; FUNK</b> |              |          |
| 080         | Slow Fox         | SlowFox  | 108                    | Funk 1       | Funk1    |
| 081         | Slow Waltz 1     | SlowWlzl | 109                    | Classic Funk | ClasFunk |
| 082         | Swing Fox        | SwingFox | 110                    | Gospel Swing | GopSwing |
| 083         | Salsa 1          | Salsa1   | 111                    | Gospel       | Gospel   |
| 084         | Cha Cha 1        | ChaCha1  | 112                    | Funk 2       | Funk2    |

| No.                     | Name               | LCD      | No.                            | Name                | LCD      |
|-------------------------|--------------------|----------|--------------------------------|---------------------|----------|
| 113                     | Electric Funk      | ElecFunk | 141                            | Bluegrass 1         | Bluegrs1 |
| 114                     | Groove Funk        | GrooveFk | 142                            | Country 8Beat       | Ct8Beat  |
| 115                     | Cool Funky         | ColFunky | 143                            | Modern Country      | ModernCt |
| 116                     | Jazz Funk          | JazzFunk | 144                            | Country Pop 2       | CntyPop2 |
| 117                     | Groove             | Groove   | 145                            | Bluegrass 2         | Bluegrs2 |
| 118                     | Soul               | Soul     | 146                            | 2/4 Country         | 2/4Cntry |
| 119                     | Hip Hop Beat       | HipHopBt | 147                            | Country Quick Steps | QuickStp |
| 120                     | R&B                | R&B      | 148                            | Country Folk        | CntyFolk |
| 121                     | Soul Beat          | SoulBeat | 149                            | Country Shuffle     | CnyShufl |
| 122                     | R&B Ballad 2       | R&BBld2  | <b>LATIN &amp; LATIN DANCE</b> |                     |          |
| <b>SWING &amp; JAZZ</b> |                    |          | 150                            | Bossa Nova          | BosaNov  |
| 123                     | Latin Jazz 1       | LatinJz1 | 151                            | Latin               | Latin    |
| 124                     | Big Band           | BigBand  | 152                            | New Reggae          | NewRegga |
| 125                     | Dixieland 1        | Dixland1 | 153                            | Dance Reggae        | DanRegga |
| 126                     | Broadway Big Band  | BwayBand | 154                            | Pasodoble           | Pasodobl |
| 127                     | Swing              | Swing    | 155                            | Lite Bossa          | LteBossa |
| 128                     | Latin Jazz 2       | LatinJz2 | 156                            | Latin Rock          | LatinRck |
| 129                     | Fusion             | Fusion   | 157                            | Disco Samba         | DscSamba |
| 130                     | Acid Jazz          | AcidJazz | 158                            | Mambo               | Mambo    |
| 131                     | Cool Jazz Ballad   | CoolJzBd | 159                            | Rumba 2             | Rumba2   |
| 132                     | Swing Shuffle      | SwingSfl | 160                            | Tikitikita          | Tikitkta |
| 133                     | Big Band Medium    | BandMid  | 161                            | Lambada             | Lambada  |
| 134                     | Dixieland 2        | Dixland2 | 162                            | Pop Cha Cha 1       | PChaCha1 |
| 135                     | Guitar Swing 2     | GtSwing2 | 163                            | Pop Cha Cha 2       | PChaCha2 |
| 136                     | Ragtime            | Ragtime  | 164                            | Salsa 2             | Salsa2   |
| 137                     | Modern Jazz Ballad | MdJzBald | <b>WALTZ &amp; TRADITIONAL</b> |                     |          |
| 138                     | Swing Ballad       | SwingBal | 165                            | Waltz               | Waltz    |
| 139                     | Orchestra Swing    | OrhSwing | 166                            | Old Waltz           | OldWaltz |
| <b>COUNTRY</b>          |                    |          | 167                            | English Waltz       | EngWaltz |
| 140                     | Country Pop 1      | CntyPop1 | 168                            | German Waltz        | GemWaltz |

| No.          | Name         | LCD      | No.         | Name        | LCD      |
|--------------|--------------|----------|-------------|-------------|----------|
| 169          | ViennaWaltz  | VinaWtz  | 185         | Dangdut     | Dangdut  |
| 170          | Slow Waltz 2 | SlwWltz2 | 186         | 6/8 Flipper | 6/8Flipp |
| 171          | Jazz Waltz   | JzWaltz  | 187         | New Age     | NewAge   |
| 172          | Polka        | Polka    | 188         | Tarantella  | Tarantel |
| 173          | 6/8 March    | 6/8March | 189         | Scottish    | Scottish |
| 174          | German Polka | GerPolka | 190         | Norteno     | Norteno  |
| 175          | Party Polka  | PtyPolka | <b>Arab</b> |             |          |
| 176          | Army March   | ArmMarch | 191         | Zarb 6/8    | Zarb 6/8 |
| 177          | March        | March    | 192         | Zarb Tempo  | ZarbTemp |
| 178          | US March     | USMarch  | 193         | Bandary     | Bandary  |
| 179          | Musette      | Musette  | 194         | Zarb Daf    | Zarb Daf |
| 180          | Mazurke      | Mazurke  | 195         | Pop 4/4     | Pop 4/4  |
| <b>World</b> |              |          | 196         | Saidi IR    | Saidi IR |
| 181          | Enka Ballad  | EnkaBald | 197         | Cifte       | Cifte    |
| 182          | Laendler     | Laendler | 198         | Baladi      | Baladi   |
| 183          | Hawaiian     | Hawaiian | 199         | Masmoudi    | Masmoudi |
| 184          | Sirtake      | Sirtake  | 200         | Wehda       | Wehda    |



## 12 Practise and demo songs

| No.                       | Name   | LCD      | No.                      | Name  | LCD       |
|---------------------------|--|----------|--------------------------|---|-----------|
| <b>FOLK &amp; COUNTRY</b> |  |          | 028                      | Mov.2 Adagio Non Troppo Piano<br>Sonata No.9 In D                           | Sonata9   |
| 001                       | Jambalaya                                      | Jambalay | 029                      | Mov.1 Andante Grazioso Piano<br>Sonata No.11 In A (Alla TurSo-<br>nata11ca) | Sonata11  |
| 002                       | Ding! Dong! Merrily On High                    | DingDong | 030                      | Prelude In C  | Prelude   |
| 003                       | Battle Hymn Of The Republic                    | Battle   | 031                      | Chinese Dance   | ChDance   |
| 004                       | The Old Gray Mare                              | GrayMare | 032                      | Emperors Waltz  | EmprWaltz |
| 005                       | American Patrol                                | USPatrol | 033                      |   | MilMar1   |
| 006                       | Christmas Is Coming                            | IsComing | 034                      | Symphony No.40  | Symphony  |
| 007                       | Sippin`Cider Through A Straw                   | SCTStraw | <b>JAZZ &amp; FUSION</b> |   |           |
| 008                       | Christmas Sound                                | Sound    | 035                      | ShanZhaShu  | ShanZhaS  |
| <b>GOLDEN &amp; POP</b>   |  |          | 036                      | You Are My Sunshine   | MySun     |
| 009                       | On London Bridge                               | LdBridge | 037                      | June Samba  | JunSamba  |
| 010                       | Are You Lonesome Tonight                       | Lonesome | 038                      | Funk  | Funk      |
| 011                       | Der Deitcher`s Dog                             | DerDDog  | 039                      | I Can.....  | I Can...  |
| 012                       | Joy to The World                               | JoyWorld | 040                      | Sea Shore   | SeaShore  |
| 013                       | Silent Night                                   | SltNight | <b>PIANO</b>             |   |           |
| 014                       | Ave Maria                                      | AveMaria | 041                      | Fur Elise   | FurElise  |
| 015                       | Five Hundred Miles                             | FHMiles  | 042                      | Military March  | MMarch    |
| 016                       | Happy New Year                                 | HappyNY  | 043                      | Habanera  | Habanera  |
| 017                       | It`s Beginning To Look A Lot Like<br>Christmas | LikeXmas | 044                      | Minuet  | Minuet    |
| 018                       | Jeanie With The Light Brown Hair               | LighHair | 045                      | Austria Variation   | AVariati  |
| 019                       | My Bonnie                                      | MyBonnie | 046                      | Old Macdonald Had A Farm  | OldAFarm  |
| 020                       | Song Of The Pearlfisher                        | SongOfTP | 047                      | Wedding March   | Wedding   |
| <b>CLASSICAL</b>          |  |          | 048                      | 2-Part Invention #13 In A Minor.B.W.<br>lii                                 | Invntion  |
| 021                       | Swan   | Swan     | 049                      | Minuet In G   | MinuetG   |
| 022                       | Prelude To Act 2 (Swan Lake)                   | SwanLak1 | 050                      | Turkish March   | TurkishM  |
| 023                       | Valse (Swan lake)                              | SwanLak2 | 051                      | Hey Diddle Diddle   | HeDiddle  |
| 024                       | The Happy Farmer                               | HpFarmer | 052                      | Italian Polka   | ItaPolka  |

| No. | Name                | LCD      |  | No. | Name                        | LCD        |
|-----|---------------------|----------|--|-----|-----------------------------|------------|
| 025 | The Sleeping Beauty | SleepBty |  | 053 | Moseta Dance                | MosetaDn   |
| 026 | La Traviata         | LaTravia |  | 054 | Bulie Dance                 | BulieDn    |
| 027 | Wiegenlied          | Wiegenli |  | 055 | Waltz in A Flat Op.39 No.15 | Waltz in A |

| No. | Name             | LCD      |  | No. | Name                         | LCD    |
|-----|------------------|----------|--|-----|------------------------------|--------|
| 056 | Wild Rose        | WildRose |  | 059 | Angles We Have Heard On High | Angles |
| 057 | Away In A Manger | AwayInAM |  | 060 | Waltz                        | Waltz  |
| 058 | Jack & Jill      | JackJill |  |     |                              |        |

### Demos

| No. | Name               | LCD      |
|-----|--------------------|----------|
| 001 | Fantasie Impromptu | Fantasie |
| 002 | Funk               | Funk     |

## 13 Chord list

|    | Chord description                             | Normal chord construction            | Chord symbol | Display  |
|----|---|--------------------------------------|--------------|----------|
| 0  | Major [M]                                     | 1–3–5                                | C            | C        |
| 1  | Major sixth [6]                               | 1–(3)–5–6                            | C6           | C6       |
| 2  | Major seventh [M7]                            | 1–3–(5)–7                            | CM7          | CM7      |
| 3  | Major seventh with augmented eleventh [M7#11] | 1–(2)–3–#4–(5)–7                     | CM7#11       | CM7(#11) |
| 4  | Major add ninth [Madd9]                       | 1–2–3–5                              | CMadd9       | CM(9)    |
| 5  | Major ninth [M9]                              | 1–2–3–(5)–7                          | CM9          | CM7(9)   |
| 6  | Major sixth and ninth [6 9]                   | 1–2–3–(5)–6                          | C6 9         | C6(9)    |
| 7  | Augmented [aug]                               | 1–3–#5                               | Caug         | Caug     |
| 8  | Minor [m]                                     | 1–b3–5                               | Cm           | Cm       |
| 9  | Minor sixth [m6]                              | 1–b3–5–6                             | Cm6          | Cm6      |
| 10 | Minor seventh [m7]                            | 1–b3–(5)–b7                          | Cm7          | Cm7      |
| 11 | Minor seventh flatted fifth [m7b5]            | 1–b3–b5–b7                           | Cm7b5        | Cm7(b5)  |
| 12 | Minor add ninth [madd9]                       | 1–2–b3–5                             | Cmadd9       | Cm(9)    |
| 13 | Minor ninth [m9]                              | 1–2–b3–(5)–b7                        | Cm9          | Cm7(9)   |
| 14 | Minor eleventh [m11]                          | 1–(2)–b3–4–5–(b7)                    | Cm11         | Cm7(11)  |
| 15 | Minor major ninth [mM7]                       | 1–b3–(5)–7                           | CmM7         | CmM7     |
| 16 | Minor major ninth [mM9]                       | 1–2–b3–(5)–7                         | CmM9         | CmM7(9)  |
| 17 | Diminished [dim]                              | 1–b3–b5                              | Cdim         | Cdim     |
| 18 | Diminished seventh [dim7]                     | 1–b3–b5–6                            | Cdim7        | Cdim7    |
| 19 | Seventh [7]                                   | 1–3–(5)–b7                           | C7           | C7       |
| 20 | Seventh suspended [7sus4]                     | 1–4–5–b7                             | C7sus4       | C7sus4   |
| 21 | Seventh flatted fifth [7b5]                   | 1–3–b5–b7                            | C7b5         | C7(b5)   |
| 22 | Seventh ninth [79]                            | 1–2–3–(5)–b7                         | C7 9         | C7(9)    |
| 23 | Seventh sharp eleventh [7#11]                 | 1–2–3–#4–(5)–b7 oder 1–(2)–3–#4–5–b7 | C7#11        | C7(#11)  |
| 24 | Seventh thirteenth [7 13]                     | 1–3–(5)–6–b7 oder 2–3–5–6–b7         | C7 13        | C7(13)   |
| 25 | Seventh flatted ninth [7b9]                   | 1–b2–3–(5)–b7                        | C7b9         | C7(b9)   |
| 26 | Seventh flatted thirteenth [7b13]             | 1–3–5–b6–b7                          | C7b13        | C7(b13)  |
| 27 | Seventh sharp ninth [7#9]                     | (1)–#2–3–(5)–b7                      | C7#9         | C7(#9)   |
| 28 | Major seventh augmented [M7aug]               | 1–3–#5–7                             | CM7aug       | CM7aug   |

|    | Chord description        | Normal chord construction | Chord symbol | Display |
|----|--------------------------|---------------------------|--------------|---------|
| 29 | Seventh augmented [7aug] | (1)-3-#5-b7               | C7aug        | C7aug   |
| 30 | Suspended fourth [sus4]  | 1-4-5                     | Csus4        | Csus4   |
| 31 | Suspended second [1+2+5] | 1-2-5                     | C1+2+5       | C       |

## 14 MIDI implementation chart

| Function      |            | Sent                     | Received                                  | Notes |
|---------------|------------|--------------------------|---|-------|
| Basic Channel | Default    | 1                        | 1 – 16                                    |       |
|               | Changed    | 1 – 16                   | 1 – 16                                    |       |
| Mode          | Default    | No                       | Mode 3                                    |       |
|               | Messages   | No                       | No  |       |
|               | Altered    | *****                    | No  |       |
| Note Number   |            | 0 – 127                  | 0 – 127                                   |       |
|               | True voice | *****                    | 0 – 127                                   |       |
| Velocity Note | Note ON    | Yes, 9nH,<br>v = 1 – 127 | Yes, 9nH,<br>v = 1 – 127                  |       |
|               | Note OFF   | No, 9nH,<br>v = 0        | Yes, 9nH,<br>v = 0 or 8nH,<br>v = 0 – 127 |       |
| After Touch   | Keys       | No                       | No  |       |
|               | Channels   | No                       | No  |       |
| Pitch Bend    |            | No                       | Yes                                       |       |

## MIDI implementation chart

| Function         |  | Sent         | Received       | Notes                 |
|------------------|--|--------------|----------------|-----------------------|
| Control Change   | 0  | Yes          | Yes            | Bank Select           |
|                  | 1  | No           | Yes            | Modulation            |
|                  | 5  | No           | Yes            | Portamento Time       |
|                  | 6  | Yes          | Yes            | Data Entry            |
|                  | 7  | Yes          | Yes            | Volume                |
|                  | 10   | No           | Yes            | Pan                   |
|                  | 11   | No           | Yes            | Expression            |
|                  | 64   | Yes          | Yes            | Sustain Pedal         |
|                  | 65   | No           | Yes            | Portamento ON/OFF     |
|                  | 66   | Yes          | Yes            | Sostenuto Pedal       |
|                  | 67   | Yes          | Yes            | Soft Pedal            |
|                  | 80   | No           | Yes            | Reverb Program        |
|                  | 81   | No           | Yes            | Chorus Program        |
|                  | 91   | Yes          | Yes            | Reverb Level          |
|                  | 93   | Yes          | Yes            | Chorus Level          |
|                  | 120  | Yes          | Yes            | All Sound Off         |
|                  | 121  | No           | No             | Reset All Controllers |
|                  | 123  | Yes          | Yes            | All Notes Off         |
| Program Change   | True #   | Yes<br>***** | Yes<br>0 – 127 |                       |
| System Exclusive |  | No           | Yes            |                       |
| System Common    | Song Position Pointer  | No           | No             |                       |
|                  | Song Select  | No           | No             |                       |
|                  | Tune Request   | No           | No             |                       |
| System Real Time | Clock  | Yes          | No             |                       |
|                  | Commands   | No *1        | No             |                       |
| Aux Messages     | LOCAL ON/OFF   | No           | No             |                       |
|                  | Active Sensing   | No           | Yes            |                       |
|                  | System Reset   | No           | No             |                       |
| Notes:           | *1<br>When the accompaniment starts, an FAH message is transmitted.<br>When the accompaniment stops, an FCH message is transmitted.<br>When an FAH message is received, the accompaniment starts.<br>When an FCH message is received, the accompaniment stops. |              |                |                       |

**MIDI channel modes**

|          |        |         |
|----------|--------|---------|
|          | POLY   | MONO ON |
| OMNI ON  | Mode 1 | Mode 2  |
| OMNI OFF | Mode 3 | Mode 4  |

## 15 Technical specifications

|                          |   |                    |
|--------------------------|---|--------------------|
| Display                  | Multifunction LCD   |                    |
| Keyboard                 | 88 weighted keys with hammer action and adjustable touch response           |                    |
| Polyphony                | 64-voice  |                    |
| Voices                   | 500   |                    |
| Styles                   | 200   |                    |
| Practise songs           | 60  |                    |
| Demo songs               | 2   |                    |
| Album                    | 120 Songs   |                    |
| Memory                   | 32 memory locations   |                    |
| Pedals                   | Multifunction pedal, Sostenuto, Sustain                                     |                    |
| Connections              | Voltage supply AC 230 V ~, 2 × headphones (1/4" phone jack), AUX, USB, MIDI |                    |
| Amp                      | 10 W  |                    |
| Speaker                  | 2 × 20 W, 8 Ω   |                    |
|                          | 2 × 25 W, 8 Ω   |                    |
| Operating supply voltage | AC 230 V ~  |                    |
| Dimensions (W × D × H)   | 1380 mm × 514 mm × 906 mm   |                    |
| Weight                   | 53 kg   |                    |
| Housing colour           | Black   | Item number 352288 |
|                          | White   | Item number 352389 |



## 16 Protecting the environment

### Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

### Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.





