



DP-495 GP BK, DP-495 GP WHP
digital piano

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1 General notes

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) 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'*.

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 5.*

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
DANGER!	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.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	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

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**

Always use proper ready-made insulated two-wire mains cabling (power cord). 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.

Do not use the device if covers, protectors or optical components are missing or damaged.

**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.

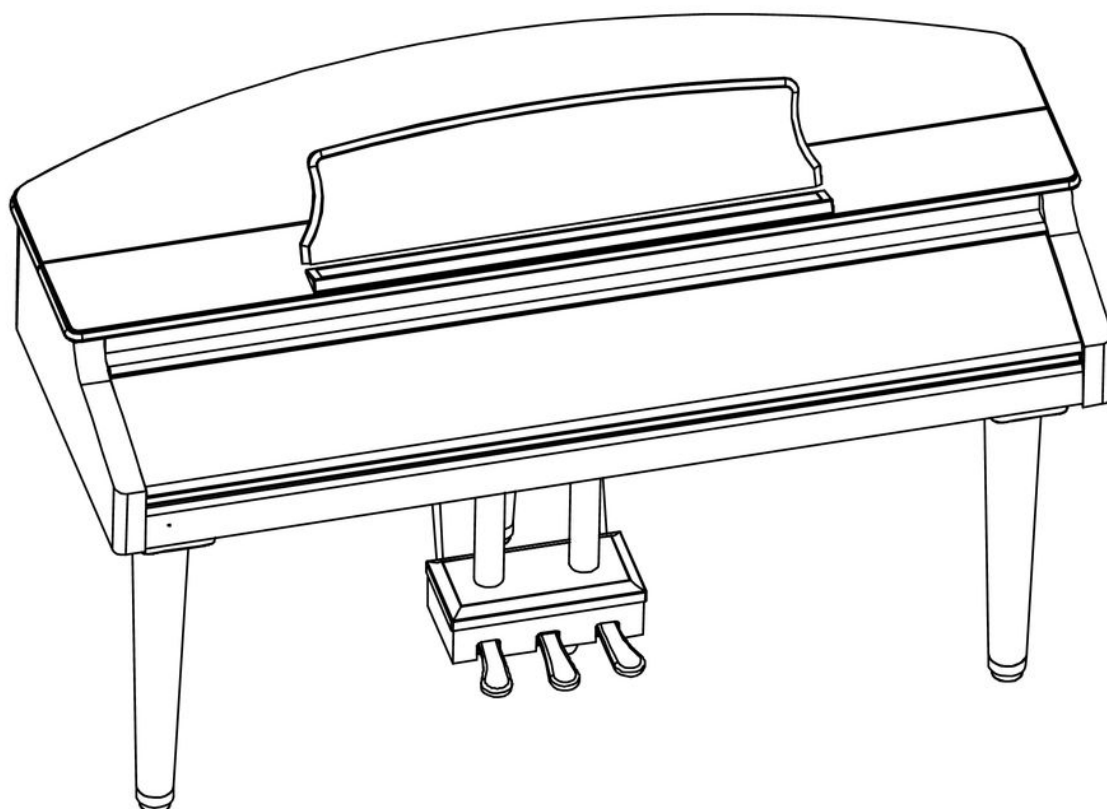
3 Features

The digital piano is characterized by the following features:

- 88 weighted keys with hammer action
- Large true-colour display (4.3")
- User-friendly controls and indicators
- SD card slot
- Built-in memory for user settings and recordings
- Built-in speakers
- Polyphony: 128-voice
- 55 practice and accompaniment songs
- 122 Voices
- 100 Styles
- 128 MIDI voices
- Metronome
- Transpose function
- Equalizer
- Reverb and Chorus effects
- Melody and accompaniment functions
- Recording function
- Connections: 2 × headphones, Microphone, Line Out/In, MIDI Out/In, USB
- Automatic switchoff

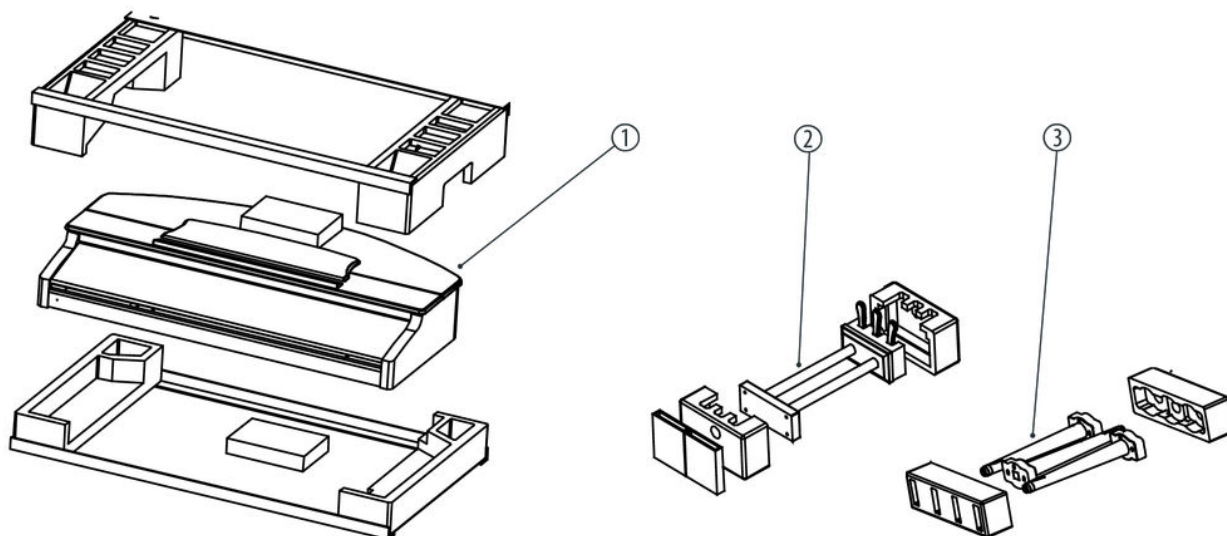
4 Installation

Overview



For assembling the digital piano, you only need the included tool. Open the package, take out all items and check before assembling that the entire scope of delivery is present, as listed here.

Scope of delivery

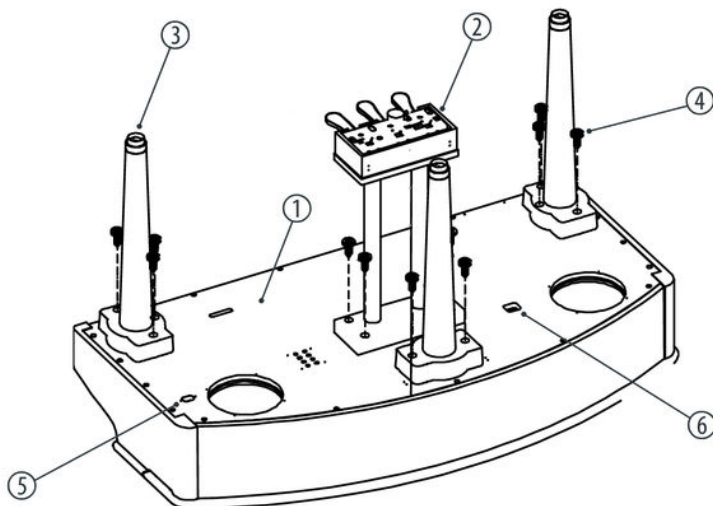


1	Piano housing
2	Pedalry (preassembled)
3	3 × support foots
4	13 × screws M8 × 45 13 × washers M8 13 × locking rings M8
7	8 × screws M4 × 10
	Not illustrated: 2 × pedalry supports Power cord Pedal cable Assembly tool

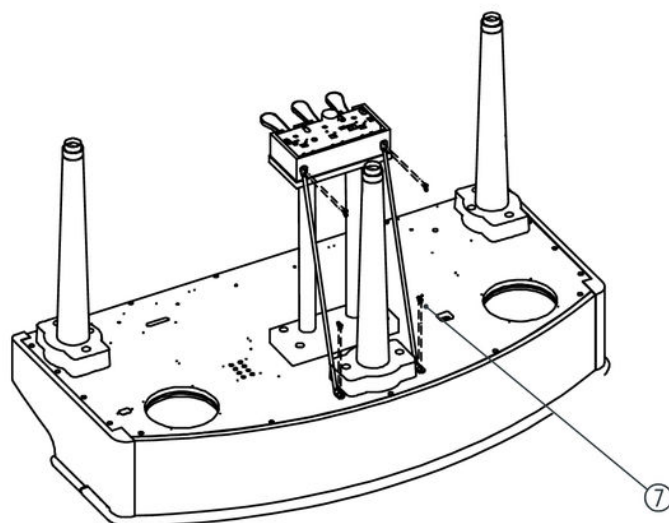
Assembly instructions

Proceed according to the illustrations and only use the supplied screws. Using other screws could damage the piano housing or result in a reduced stability of the piano.

- 1.** ➤ Place the piano housing with the bottom side up on a suitable surface. Use a soft padding in order not to damage the surface of the piano housing.
- 2.** ➤ Successively screw the pedaly and the three support feet using the supplied screws, washers and locking rings (4) on the bottom of the piano housing.



- 3.** ➤ Connect the power cord to the mains power socket (5) and the pedal cord to the pedal cable connector (6) on the bottom of the piano housing.



4. ➤ Finally screw the two pedaly supports as shown using the four supplied brass screws (7).
5. ➤ Set up the digital piano near a power wall outlet. Ensure sufficient standing stability.

Mains connection

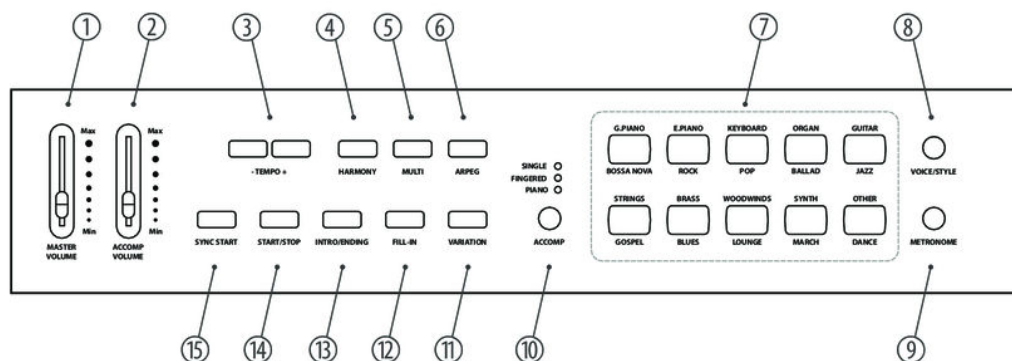
1. ➤ Make sure that the piano is turned off before you connect the device to the power supply or disconnect it.
2. ➤ Turn the volume control to minimum.
3. ➤ Plug the power cord into a 230 V AC outlet.
4. ➤ Now you can turn on the device.



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.

5 Connections and controls

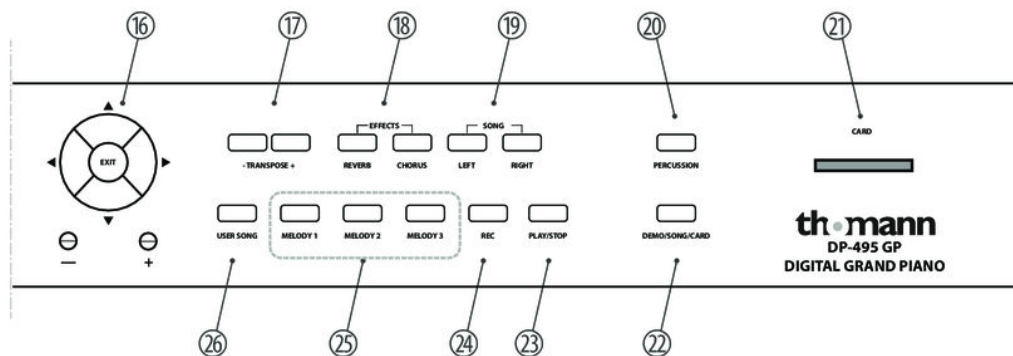
Left control panel



1	[MASTER VOLUME] Overall volume control.
2	[ACCOMP VOLUME] Volume control for the accompaniment.
3	[TEMPO – +] Buttons to increase / decrease the playback tempo.
4	[HARMONY] Button to activate / deactivate the Harmony mode.
5	[MULTI] Button to activate / deactivate the Multi-Tone mode.
6	[ARPEG] Button to activate / deactivate the Arpeggio mode.
7	Direct selection buttons for selecting styles or voices. Use the button [VOICE/STYLE] to switch between both memory banks.
8	[VOICE/STYLE] Toggle switch for direct selection buttons to select styles or voices.
9	[METRONOME] Button to turn the metronome on or off.

10	[ACCOMP] Buttons for selecting an accompaniment mode. The indicator LED of the active mode lights permanently (<i>[SINGLE]</i> , <i>[FINGERED]</i> , <i>[PIANO]</i>).
11	[VARIATION] Button to call a variation of the current style in accompaniment mode.
12	[FILL-IN] Button to insert Fills in accompaniment mode.
13	[INTRO/ENDING] Button to insert an Intro / Ending in accompaniment mode.
14	[START / STOP] Style playing control button.
15	[SYNC START] Button to activate the Sync Start function in accompaniment mode. Use this button in Recording mode to select an accompaniment song from the device memory.

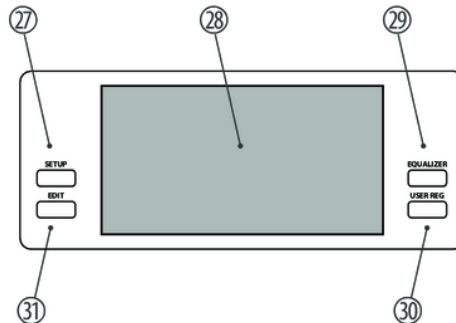
Right control panel.



16	◀, ▶, ▲, ▼, [+], [-] Navigation buttons for selecting menu options and buttons to increase or decrease setting values.
17	[TRANSPOSE - +] Button for transpose the entire keyboard.

18	<i>[EFFECTS]</i> Buttons to activate / deactivate the Reverb and Chorus effect.
19	<i>[SONG]</i> Buttons to select the accompaniment track while practising (right hand, left hand).
20	<i>[PERCUSSION]</i> Button to open the Percussion menu.
21	<i>[CARD]</i> SD card slot.
22	<i>[DEMO/SONG/CARD]</i> Memory selection button. Use this button to switch between songs from the device memory, user songs and songs stored on the SD card.
23	<i>[PLAY / STOP]</i> Song playback control button.
24	<i>[REC]</i> Button to switch to recording mode.
25	<i>[MELODY 1 2 3]</i> Button to activate a melody track in recording mode.
26	<i>[USER SONG]</i> Button for selecting user recordings.

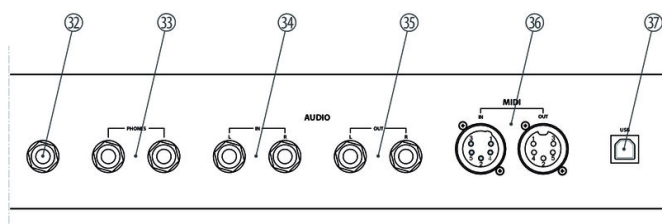
Display



27	<i>[SETUP]</i> Button to open the device settings menu.
28	Display
29	<i>[EQUALIZER]</i> Button to activate / deactivate the Equalizer.
30	<i>[USER REG]</i> Button to store user settings and user recordings.
31	<i>[EDIT]</i> Button for calling up menu options, to confirm input values etc. (depending on the parent menu).

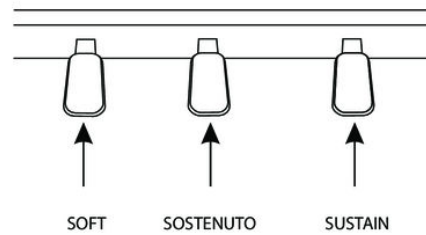
Connections

All connectors for external devices are located on the connector panel on the bottom side of the piano housing.



32	[MIC] Connection socket for a microphone. The signal of the connected microphone can be heard through the built-in sound system of the piano.
33	[PHONES] Connection sockets for headphones. Both connection sockets can be used at a time. As soon as you connect headphones, the speakers of the internal sound system are being muted. Never operate the headphones at high volume as this can permanently damage your hearing. To avoid damage to the speakers, make sure before connecting the power supply or a device to the digital piano that the volume is set to 'minimum'.
34	[AUDIO IN] Input sockets for connecting external audio devices such as MP3 player. For stereo playback, connect both channels (L and R). For mono playback, connect only one channel.
35	[AUDIO OUT] Output sockets for connecting powered speakers, a stereo system or other amplifiers. For stereo transmission, connect both channels (L and R). For mono transmission, connect only one channel.
36	[MIDI] MIDI in and output sockets to connect the unit to other MIDI devices.
37	[USB] USB port for connecting the unit to a computer or another device with USB support.

Pedal box



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.

6 Operating

6.1 Turning the digital piano on and off

Press the main switch on the left of the device to turn it on and off. The display shows the following:



If the display keeps blank when you turn the digital piano on, check the power supply.

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

6.2 Automatic shutoff

If the digital piano is not in use, it shuts off after 40 minutes automatically. To turn it back on, press the main switch on the left of the device.

Disable automatic shutoff function

To disable the function, keep the first left white key on the keyboard pressed while turning the digital piano on.

By default, the automatic shutoff function gets initialized when you turn on the digital piano.

6.3 Adjusting the volume

Use the control to set the overall volume of the device that is comfortable for playing and exercising. Slide the control up to increase the volume. Slide the control down to decrease the volume.

6.4 Demo and practice songs

The digital piano offers a total of 14 demo and 55 practice songs. You also have the option to play your own MIDI files from an SD card. Repeatedly press *[DEMO/SONG/CARD]* to select one of the options *'DEMO SONG'*, *'TEACH SONG'* or *'MEMORY CARD'*.



DEMO SONG

The demo songs show the sound and the pitch range of the instrument. Switch to DEMO mode.

Use *[+]* or *[-]* to select the desired piece.

Start / stop playback using *[PLAY/STOP]*.

TEACH SONG

Use the practise songs for accompaniment while practising the voice of the left or the right hand. Switch to TEACH mode.

Use the navigation buttons ◀ or ▶ to select whether you want to practice the voice of the left or the voice of the right hand.

Use [+] or [-] to select the desired piece.

Start / stop playback using [PLAY/STOP] .

If you accompany the practise song all the way, a short review of your accompanying performance is finally displayed on the screen.



MEMORY CARD

Select this option to play your own recordings and pieces in MIDI format, stored on an SD card. Switch to CARD mode.

Use [+] or [-] to select the desired piece.

Start / stop playback using [PLAY/STOP] .

6.5 Voice selection

The digital piano offers in total 122 voices in ten categories (see [Chapter 7 'Voice list' on page 41](#)). When selecting a voice, make sure that the LED indicator of the button [VOICE/STYLE] is not lit.

Press one of the direct selection buttons to select the song category. Then use [+] or [-] to select the desired voice on the display.



6.6 Style selection

The digital piano offers more than 100 styles in ten categories (see [Chapter 8 'Liste der Styles' on page 43](#)). When selecting a style, make sure that the LED indicator of the button [VOICE/STYLE] is lit.

Press one of the direct selection buttons to select the style category. Then use [+] or [-] to select the desired style on the display.



6.7 Auto Accompaniment

Auto Accompaniment allows you to play along to one of the available styles on the digital piano. You can also insert an intro, fills and an ending by keystroke.

Style playing

Press **[START / STOP]** to play a previously selected style directly (see [Chapter 6.6 'Style selection'](#) on page 23). Press the button again to stop the playback.

Inserting Intro / Ending

Press **[INTRO / ENDING]** prior to start style playing to insert an intro. Press the button while the style is playing to insert an Ending after the last bar that fits to the accompaniment.

Inserting Fills

Press **[FILL-IN]** to add a matching fill bar after the current bar of the currently playing style. One fill bar is inserted per keystroke.

Variations

One Variation for each style is stored in the device. Press **[VARIATION]** to call up the Variation of the currently playing style.

Adjusting accompaniment track tempo

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

Press **[TEMPO +]** or **[TEMPO -]** to adjust the playback speed in a range of '20' ... '250'.

Simultaneously press **[TEMPO +]** and **[TEMPO -]** to reset the tempo to the preset default value.

Adjusting accompaniment track volume

The volume of the accompaniment track can be adjusted directly with the volume control for the auto accompaniment on the left panel.

6.8 Chord accompaniment

The chord accompaniment of the digital piano allows you to play chords in Single or Fingered mode with the left hand and accompany them with the right hand. Alternatively, you can accompany practice pieces and styles in piano mode ambidextrous (chord library see [Chapter 9 'Chord list'](#) on page 45).

Selecting accompany mode

Repeatedly press the button **[ACCOMP]** until the desired accompany mode **[SINGLE]**, **[FINGERED]** or **[PIANO]** is displayed. The indicator LED of the active mode lights permanently.

Single mode

In this mode, the following chord types are played with one or two fingers of the left hand and taken from the chord library (Example C, Cm, C7 and Cm7):

C 	• To play a major chord Press the root note of the chord
Cm 	• To play a minor chord Press the root note together with the nearest black key to the left of it .
C7 	• To play a seventh chord Press the root note together with the nearest white key to the left of it .
Cm7 	• To play a minor seventh chord Press the root notes together with the nearest white and black keys to the left of it (three keys altogether) .

Fingered mode

In this mode, you can play chords with normal fingering. Here we show you 32 chords using the example of C chords:

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

Split point for Single or Fingered mode

First, set a split point on the keyboard, see [Chapter 6.21.3 'Split point setting'](#) on page 36. The area to the left of the split point is the chord area.

Synch start

If you enable this function, the Auto Accompaniment starts as soon as you play a chord in the left hand key area. To activate / deactivate the function press the button *[SYNC START]*.

Piano mode

In Piano mode, you can accompany practise pieces and styles ambidextrous.

6.9 Harmony mode

In harmony mode, appropriate harmonic frequencies are added to the notes you play. Select the desired harmony type using the setup menu, see [Chapter 6.21.4 'Harmony settings'](#) on page 36.

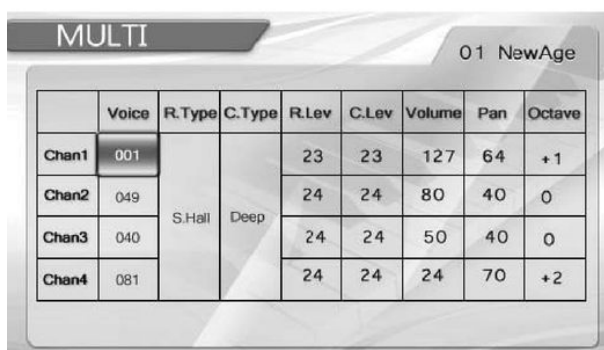
Press *[HARMONY]* to activate / deactivate the Harmony mode.

6.10 Multi Tone mode

In Multi Tone mode, the keyboard is divided into four sections, to which different voices can be assigned. Press *[MULTI]* to activate the Multi Tone mode.



In this dialogue window, you can use the buttons *[+]* and *[-]* to select one of the 15 presets, or use *[EDIT]* to open the sub menu for creating Multi Tone user settings.



The screenshot shows a 'MULTI' menu window with a title bar '01 NewAge'. Below the title bar is a table with the following columns: Voice, R.Type, C.Type, R.Lev, C.Lev, Volume, Pan, and Octave. The table contains four rows of data for Chan1 through Chan4.

	Voice	R.Type	C.Type	R.Lev	C.Lev	Volume	Pan	Octave
Chan1	001	S.Hall	Deep	23	23	127	64	+1
Chan2	049			24	24	80	40	0
Chan3	040			24	24	50	40	0
Chan4	081			24	24	24	70	+2

In this window, you set the four keyboard areas using the navigation buttons ◀ and ▶. These areas may overlap.

Use ▲ and ▼ to assign the desired voice to each area.

Press [EXIT] to confirm the changes.

Press again [MULTI] to deactivate the Multi Tone mode.

6.11 Arpeggio mode

In Arpeggio mode, the associated arpeggio tones are automatically added to the root note you play. Press [ARPEG] to enable the Arpeggio mode.



The screenshot shows an 'ARPEGGIO' menu window. It contains several settings that can be adjusted using navigation buttons. The settings are as follows:

Arpg	Off	Arpg Preset	1
Arpg Voice	001	Arpg Style	Normal
Arpg Mode	cycle	Arpg Vol	0
Arpg Quatize	4	Tempo	40
Arpg Octave	1		

In this dialogue window, you can use the buttons [+] and [-] to select one of the 5 presets. Adjust the settings, if necessary, using the navigation buttons.

All changes are applied automatically. To restore the default settings, see [Chapter 6.21.8 'Reset to factory defaults' on page 40](#).

6.12 Transposing

Press *[TRANPOSE -]* or *[TRANPOSE +]* to transpose the pitch of the entire keyboard in cent steps by up to 12 semitones down or up.

Simultaneously press *[TRANPOSE -]* and *[TRANPOSE +]* to reset the keyboard pitch to the default value '0'.

6.13 Metronome

Press *[METRONOME]* to turn the metronome on or off. To adapt the metronome settings, see [🔗 Chapter 6.21.7 'Metronome settings' on page 39](#).

6.14 Reverb effect

Press *[REVERB]* to turn the Reverb effect on or off. To adapt the effect settings, see [🔗 Chapter 6.21.2 'Effects settings' on page 35](#).

6.15 Chorus effect

Press *[CHORUS]* to turn the Chorus effect on or off. To adapt the effect settings, see [🔗 Chapter 6.21.2 'Effects settings' on page 35](#).

6.16 Percussion

With this function, drum / percussion voices are being assigned to all keys of the keyboard. Press *[PERCUSSION]* to enable the function.



Use *[-]* or *[+]* to select one of the ten available presets.
Press again *[PERCUSSION]* to deactivate the function.

6.17 Equalizer

The built-in software equalizer provides a total of eleven presets, which can be customized. Use ◀ or ▶ to select [EQUALIZER] from the start window.



Use [-] or [+] a preset.

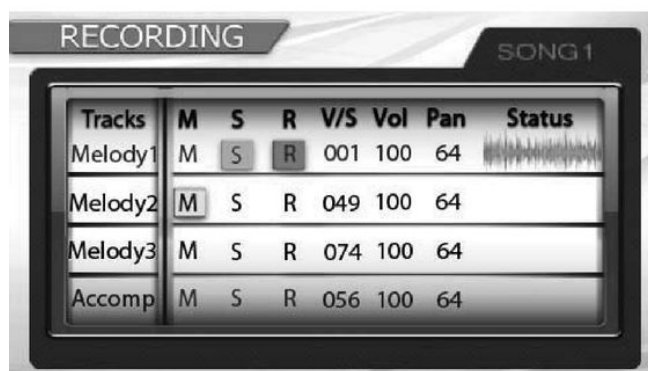
If desired, you can now use ◀ and ▶ to select the controller for a certain frequency and then adjust its setting using ▲ and ▼. All changes are applied immediately.

To reset the equalizer settings, see 🔗 [Chapter 6.21.8 'Reset to factory defaults'](#) on page 40.

6.18 Recording function

The recording function allows you to record your accompaniment performance to a practise piece or style. You can store up to five recordings as user songs in the internal memory. Each user song consists of an accompaniment track and up to three user recording tracks. All recordings are retained in the clipboard memory after switching the digital piano off.

Press **[USER SONG]** and use **[-]** or **[+]** to set the desired memory location (user song 1 to 5).



Keep the button **[REC]** pressed and use **[-]** or **[+]** to highlight the selection 'Accomp' to select the accompaniment track.

If desired, use the navigation buttons **◀**, **▶**, **▲** and **▼** as well as **[+]** and **[-]** to adjust the other recording parameters: Voice, style, volume and balance.

Keep the button **[REC]** pressed and use **[-]** or **[+]** to highlight the desired recording track 'Melody 1', 'Melody 2' or 'Melody 3'. The track is marked with 'R'.

Recording starts as soon as you begin playing after selecting the recording track.

To record a second and third track you can mute previously recorded tracks. Highlight the desired melody or accompaniment track and press **'MELODY'** or **[ACCOMP]**. Muted tracks are labelled with 'M'.

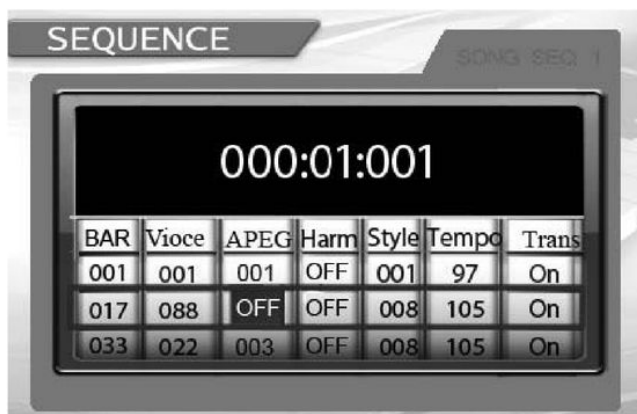
Playback recordings

Press **[USER SONG]** and use **[-]** or **[+]** to select the desired user song. Start and stop playback with **[PLAY / STOP]**.

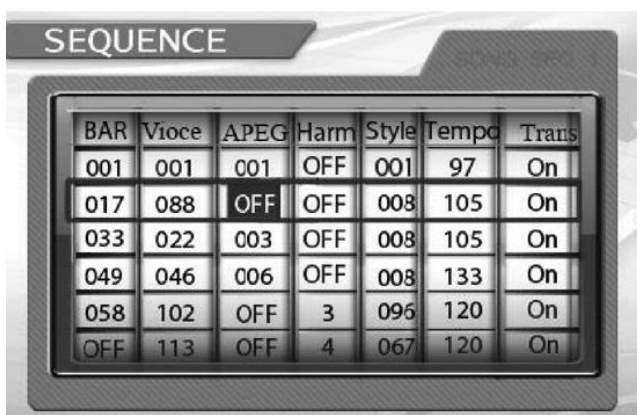
6.19 Sequencer

You can save various sound parameters for specific sequences in the built-in memory of the digital piano.

Press **[USER REG]** until the menu 'SEQUENCE' appears in the display.



Use **[-]** or **[+]** to select a matrix parameter to call up the stored settings.



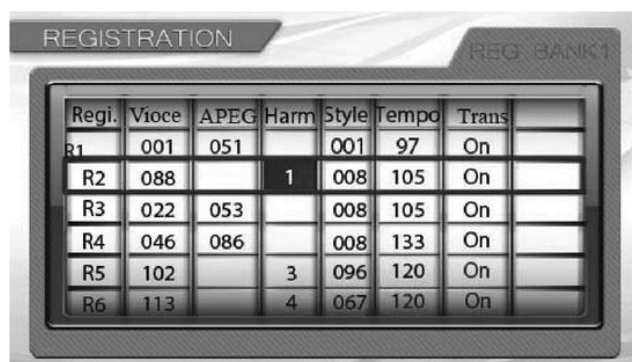
Here you have the possibility to specify various settings for Voices, Styles, Arpeggio and Harmony mode, Tempo and Transpose on bar-level. Press **[EDIT]** and adapt the setting value with the navigation buttons **◀**, **▶**, **▲** and **▼** as well as **[+]** and **[-]**.

Press **[EXIT]** to store the settings in the memory and to adapt another parameter. Press again **[USER REG]** to close the menu. To reset the changed values to factory defaults, see [Chapter 6.21.8 'Reset to factory defaults' on page 40](#).

6.20 User settings

To give you access to your own preferences when needed, you can save various user settings in the built-in memory of the digital piano.

Press *[USER REG]* until the menu 'REGISTRATION' appears in the display.



Here you have the possibility to save the current settings for Voices, Styles, Arpeggio and Harmony mode, Tempo and Transpose.

Use *[-]* or *[+]* to select the desired memory bank, and with ▲ and ▼ the desired memory location 'R1' ... 'R10'.

If desired, press *[EDIT]* and adapt certain values with the navigation buttons ◀, ▶, ▲ and ▼ as well as *[+]* and *[-]*.

Press *[EXIT]* to save the settings in the memory. To reset the changed values to factory defaults, see [Chapter 6.21.8 'Reset to factory defaults'](#) on page 40.

6.21 Setup menu

Various device settings can be customised in the Setup menu. Press *[SETUP]* to open the menu. Use the navigation buttons ◀, ▲, ▼ and ▶ to select the desired option and use *[+]* or *[-]* to adjust the setting values as desired.

6.21.1 Fine tuning

With this function you can fine tune the entire keyboard. Use ◀ or ▶ to select the option *[MASTER TUNE]*.



Then use *[+]* or *[-]* to adapt the tuning of the entire keyboard in a range from -50 to +50 cent.

Simultaneously press *[+]* and *[-]* to reset the keyboard tuning to the default value '0'.

6.21.2 Effects settings

Here you can specify the settings for the built-in effects. Use ◀ or ▶ to select the option [EFFECT].



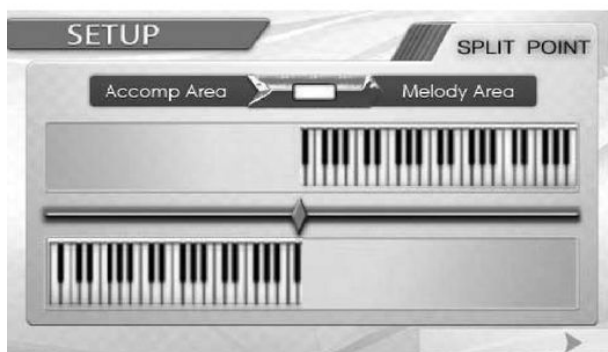
Use ▲ or ▼ to highlight the setting you want to change. Then use [+] or [-] to adjust the setting value as desired.

- Reverb type.
- Reverb level (range 0 ... 127).
- Chorus type.
- Chorus level (range 0 ... 127).

Simultaneously press [+] or [-] to reset the value to the factory default setting.

6.21.3 Split point setting

The split point of the keyboard can be freely selected (on delivery, the split point is set to 'G2'). Use ◀ or ▶ to select the option *[SPLIT POINT]*.



Then use *[+]* or *[-]* to specify the desired split point.

6.21.4 Harmony settings

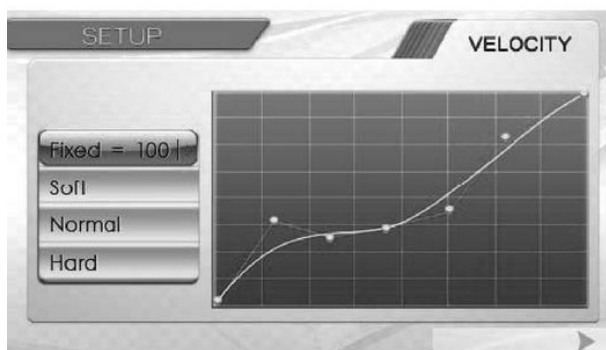
Use ◀ or ▶ to select the option *[HARMONY]*.



Then use ▲ or ▼ to select the desired harmony type: 'Duot', 'Closed Chord', 'Open Chord', 'octave'.

6.21.5 Touch velocity

With this function you can adjust the touch response of the keyboard in four different levels. Use ◀ or ▶ to select the option [VELOCITY].



Then use ▲ or ▼ to select the desired mode:

- 'Fixed': Touch sensitivity is off.
- 'Soft': In this setting, the volume is higher than usual even when playing with a soft touch.
- 'Normal': This setting corresponds to the usual touch response of a claviature.
- 'Hard': In this setting, the volume is lower than usual even when playing with a hard touch.

6.21.6 Pedal function

The function of the three pedals can be individually assigned. Use ◀ or ▶ to select the option *[PEDAL SETUP]*.

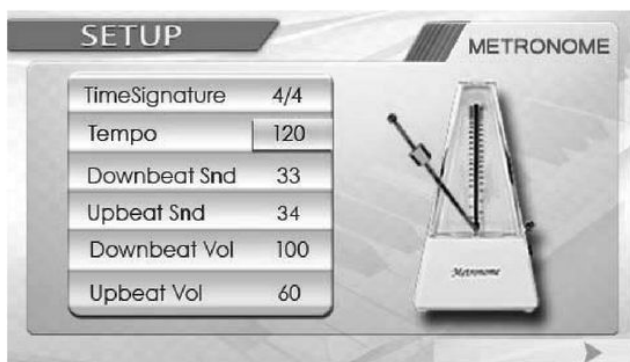


Use ▲ or ▼ to select the pedal to which you want to assign a certain function ('Right Pedal', 'Center Pedal', 'Left Pedal'). Then use [+] or [-] to assign one of the following functions:

- Sustain pedal
- Soft pedal
- Sostenuato pedal
- Start / Stop
- Voice selection
- Transposing

6.21.7 Metronome settings

Here you have the possibility to adjust various metronome settings. Use ◀ or ▶ to select the option [METRONOME].



Use ▲ or ▼ to highlight your setting you want to adjust. Then use [+] or [-] to assign the desired value:

- Time signature
- Tempo
- Downbeat sound
- Upbeat sound
- Downbeat volume
- Upbeat volume

6.21.8 Reset to factory defaults

Use ◀ or ▶ to select the option *[RESET]*.



Then use ▲ or ▼ to select the settings which you want to reset to their factory default values and confirm with [+].

7 Voice list

No.	Voice	No.	Voice	No.	Voice
GRD PIANO		025	Strings 5	052	Space Pad
001	Grand Piano	026	Pizzicato	053	Future Chr
002	Bright Piano	027	Choir	OTHERS	
003	Honky Tonk	028	Voice Oohs	054	Clavi
E. PIANO		BRASS		055	Glock
004	Rhodes	029	Brass Tutti	056	Musicbox
005	DYNO	030	Trumpet	057	Vibes
006	E.Piano FM	031	Alto Sax	058	Xylophone
007	Elec. Piano1	WOODWINDS		059	TubBells
008	Elec. Piano2	032	Oboe	060	BrawOrgn 2
KEYBOARD		033	Flute	061	PercOrgn 2
009	Harpsicord	034	Shakuhachi	062	Rockorgn 2
010	Marimba	035	Panflute	063	Acordion
011	Marimba	SYNTH		064	Harmonica
012	Celesta	036	NewagePad	065	TangoAcd
013	YSBell	037	SquareLd	066	JazzGtr
ORGAN		038	SaetooyhLf	067	CleanGtr
014	Drabar Organ 1	039	CalipeLd	068	MuteGtr
015	Church Organ 1	040	ChifferyLd	069	AcstBass
016	Rock Organ 1	041	CharangLd	070	FngrBass
GUITAR		042	VoiceLd	071	PickBass
017	Acou Guitar	043	Warm Pad	072	Fretless
018	Nylon Guitar	044	PolySyPd	073	SlapBas1
019	Steel Guitar	045	ChoirPad	074	SlapBas2
020	Elec.Bass	046	BowedPad	075	SynBass1
STRINGS		047	MetalPad	076	SynBass2
021	Strings 1	048	HaloPad	077	Violin
022	Strings 2	049	Deepsky	078	Viola
023	Strings 3	050	Mistry Pad	079	Cello
024	Strings 4	051	Soft Synth	080	TremStrf

No.	Voice	No.	Voice	No.	Voice
081	TremStrg	095	SynBras1	109	Bass_Ld
082	Pizzicto	096	SynBras2	110	Rain
083	Harp	097	SprnoSax	111	SoundTrk
084	SynStrg1	098	TenorSax	112	Crystal
085	SynStrg2	099	Bari Sax	113	Atmosphr
086	ChoirAah	100	Oboe	114	Brightns
087	VoiceOoh	101	EnglHorn	115	SciFi
088	SynVoice	102	Bassoon	116	Sitar
089	Orch hit	103	Clarinet	117	Banjo
090	Trombone	104	Piccolo	118	Shamisen
091	Tuba	105	Recorder	119	Koto
092	Mute Trum	106	Bottle	120	Kalimba
093	FrenchHr	107	Bass+Ld	121	Bagpipe
094	Brass	108	Ocarina	122	Fiddle

8 Liste der Styles

No.	Style	No.	Style	No.	Style
BIG BAND		027	Bolero	055	March 6/8
001	Big Band	028	CntyBld1	056	March
002	MillerBd	029	CntyBld2	POP	
003	LatinBnd	030	PopBalad	057	FlrdKeys
004	Broadway	031	PwrBalad	058	FunkyPop
005	Hollywood	032	Slow 16	059	Pop 16
006	OrchWltz	033	GspBalad	060	8BeatPop
007	JazWaltz	034	JzBallad	061	PianoPop
008	JazzBand	R&B		062	CntryPop
BOSS		035	SoulBlue	063	Easy Pop
009	CoolBosa	036	SoulShuf	064	Pop8Beat
010	PopBossa	037	GsplFast	065	MovTheme
011	FastNova	038	GsplBlue	066	DancePop
012	BosaNova	039	Calypso	067	Folk
013	Samba	040	Reggae 1	068	Disco
014	Salsa	041	Reggae 2	OLDIES	
015	Tango	042	RbShuffle	069	StridPno
016	Merenque	043	R&B	070	Ragtime
SWING		044	Motown	071	Hawaiiin
017	SwngTrio	045	70'sDisco	072	Hula
018	SoloSwng	ACOUSTIC		073	SoloBoog
019	SwngOrgn	046	Unplug 1	074	VienWltz
020	SlowSwng	047	Unplug 2	075	foxtrot
021	Bacharac	048	Unplug 3	076	WstrnMovi
022	Dixie	049	Solo Pop	077	Boogie
023	Lounge	050	Baroque	078	ClasscPno
024	Jazz	051	New Age	079	MuesWltz
025	Swing	052	Kids 1	080	Showtime
BALLAD		053	Kids 2	ROCK	
026	50 Ballad	054	March 4/4	081	RocknRol

No.	Style		No.	Style		No.	Style
082	JerryLee		089	ModCnty		095	Cha Cha 2
083	Blugrass		090	Country		096	Rhumba 1
084	SlowBlue		091	CntryWtz		097	Rhumba 2
085	Blues		LATIN			098	Mex Polka
086	Cntry 2/4		092	MambBand		099	Polka 1
087	CntryPno		093	Beguine		100	Polka2
088	CntryTrn		094	Cha Cha 1			

9 Chord list

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

	Chord name	Normal chord structure	Chord symbol
29	Flat major seventh chord with augmented fifth [7aug]	(1)–3–#5–b7	C7aug
30	Suspended fourth [sus4]	1–4–5	Csus4
31	Suspended second [1+2+5]	1–2–5	C1+2+5

10 MIDI implementation chart

Function		Sent	Received	Notes
Basic Channel	Default	1	1 – 16	
	Changed	1 – 16	1 – 16	
Mode	Default	Mode 3	Mode 3	
Note Number		9 – 120	0 – 127	
Velocity Note	Note ON	Yes	Yes	
	Note OFF	No	Yes	
Pitch Bend			Yes	
Control Change	0	Yes	No	Variation page
	1	No	No	Modulation
	5	No	No	Portamento Time
	7, 10	Yes	Yes	Volume, Pan
	11	No	Yes	Expression
	64, 66, 67	Yes	Yes	Sustain, Sostenuto, Soft Pedal
	65	No	No	Portamento ON/OFF
	80, 81	Yes	Yes	Reverb, Chorus Program
	91	Yes	Yes	Reverb, Chorus Send Level
	98, 99	No	No	NRPNL, NRPHH
	100, 101	No	No	RPNL, RPNH
	121	Yes	Yes	Reset all Controllers
	123	Yes	Yes	All Notes OFF
Program Change		0 – 127	0 – 127	
System Exclusive		No	No	
System	Song Select	No	No	
	Song Position	No	No	
System Real Time	Clock	No	No	
	Commands	No	No	

MIDI channel modes

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

11 Technical specifications

Keyboard	88 weighted keys with hammer action	
Instrument voices	122	
MIDI voices	128	
Styles	100 + variations	
Demo and practice songs	14 demo and 55 practice songs	
Polyphony	128-voice	
Effects	Reverb, Chorus	
Display	LCD, multicoloured, 4.3" (10,9 cm)	
Memory	5 banks, each with 10 memory locations	
MIDI	Receive / send	
Connections	2 × headphones (1/4" jack), Line OUT, Line IN, USB, MIDI IN, MIDI OUT, Pedalry	
Voltage supply	230 V ~ 50 Hz	
Speaker system	2 × 60 W	
Dimensions (W × H × D)	1410 mm × 710 mm × 910 mm	
Weight	69 kg	
Housing colour	Black	Item number 365835
	White	Item number 367109

12 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.

