ORLA

Digital Pianos

STAGE STUDIO

Portable Piano

CDP 101

Digital Piano

Owner's Manual

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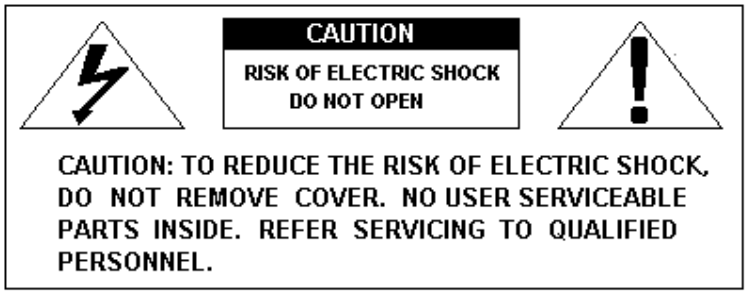
SAFETY PRECAUTIONS AND INSTRUCTIONS



WARNING

Make sure that the voltage set is suitable for the instrument (the voltage is indicated next to the AC power inlet).

When using electric products, always follow basic precautions, including the following:

1 Read all of these instructions before using the product.

2 To reduce the risk of injury, close supervision is necessary when the product is used near children.

3 Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, near a swimming pool, or the like.

4 This product, either alone or in combination with an amplifier and headphones, or speakers may be capable of producing sound levels that could cause permanent hearing loss Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss, or ringing in your ears, you should consult an audiologist.

5 The product should be located so that its location, or position, does not interfere with proper ventilation.

6 This product should only be located away from heat sources such as radiators, heat registers, and other products that cause heat.

7 The product should be connected only to the type of power supply described in the operating instructions, or as marked on the product.

8 This product may be equipped with a polarized plug. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

9 The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time When re-plugging unit, turn on the keyboard and leave on for 3-5 hours to recharge internal battery. The battery may need to be replaced after two or three years of use.

10 Care should be taken so that objects do not fall, and liquids are not spilled, into the cabinet through openings

11 The product should be serviced by qualified personnel when:

- a The power-supply cord or the plug has been damaged; or
- b Objects have fallen, or liquid has been spilled, into the product or
- c The product has been exposed to rain or
- d The product does not appear to operate normally, or exhibits a marked change in performance, or
- e The product has been dropped, or the cabinet damaged

12 Do not attempt to service the product beyond that described in the maintenance instructions. All other servicing should be referred to qualified service personnel.

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DANGER
Do not modify the plug provided with the product - if it will not fit - have a proper outlet installed by a qualified electrician

TEMPO / VALUE DISPLAY
The messages contained in the Display may not always match the display pages They are merely examples of the many features of the product

DISCLAIMER
The information contained in this manual has been very carefully revised. Due to the constant effort to improve the product, the product specifications might differ to those in the manual. The specifications are subject to modification without prior notice.

TAKING CARE OF YOUR DIGITAL PIANO
Your Digital Piano is a fine instrument and deserves the most careful treatment.
Follow carefully the next few points, and it will operate at its best for many years.

- Never open the case and touch the internal circuits.
- Always switch the power Off after use.
- Use a cloth or a damp sponge. If the dirt is particularly persistent, use a neutral detergent to remove it. Never use solvents or alcohol.
- Do not place your instrument near electric motors, neon or fluorescent lamps as these may generate disturbances.
- In most cases you just need to change the position of the instrument to avoid interference.
- Keep your instrument away from dusty environments, high humidity, and high temperatures.
- Do not use on the same AC outlet with electrical appliances, neon lights or variable lighting system.
- Before turning on the instrument, make sure that any external amplifier and speaker system that you have connected to your piano are turned off.
- Computer controlled instruments can be interrupted by spikes, surges and dropouts on the power line. If your instrument stops working because of a power line disturbance, switch it off for a few seconds and then switch it on again.
- Never disconnect the power cable without turning the power switch off.

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INTRODUCTION

Welcome to the high tech world of electronic instruments. Your piano has been designed and made using the latest technology and computerized systems, to offer you years of trouble free pleasure.
The new Bluetooth Audio Connection will connect your Smart Phone or Digital tablet to the piano to wireless transmit your personal music selection. It will transform your instrument giving you the chance to play with your favorite musicians or singers, will be a great Entertainment Center for the family.
Read this manual carefully in order to fully exploit the potential of your instrument.

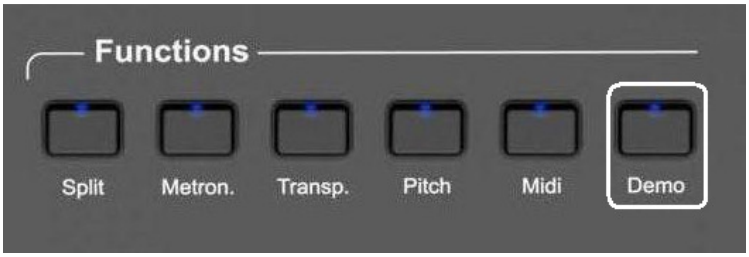
POWER ON

To turn on the instrument simply push the On/Off switch. The default setting will automatically select the PIANO 1 sound in the VOICE SECTION.
If the instrument is left switched on for more than 30 minutes without being played, the Standby control will automatically switch it off.

MASTER VOLUME

The Master Volume control adjusts the overall volume of the instrument. If the headphone set is connected it will also adjust the headphone volume.

DEMO SONG



The Demo button is located at the right of the control panel. Press this button and the three digits Led Display will indicate:

This is to indicate Demo Song number 1. Use the (/\) UP and (\/) Down buttons to select one of the 20 available Demo Songs.
At the end of the selected Demo Song the instrument will automatically play the next Demo Song.
The Demo function can be exit by pressing the DEMO button again even while the Demo is playing.

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SUSTAIN PEDAL
STAGE STUDIO – it is supplied with a Sustain Pedal. An optional 3 pedal unit is also available.
CDP 101 – It is supplied with the 3 pedal unit.

STAGE STUDIO Digital Piano is supplied with a Sustain Pedal.

Connect the Sustain Pedal to the Pedal Input Sustain/Sostenuto to obtain the Sustain effect when used. It has the same function as the "sustain" pedal on the acoustic piano.
It provides sustain and lets the sound slowly decay after the keys have been released.

SOFT/SOSTENUTO/SUSTAIN PEDAL (optional for Stage Studio)
Insert the mono jack to the Pedal Input Soft/Expression and the stereo jack in the Pedal Input Sustain/Sostenuto.

The instrument works now with a set of three pedals giving the following functions:

SOFT: gives the piano voices a "softer" sound.

SOSTENUTO: this allows only the notes pressed on the keyboard before the Sostenuto pedal is activated to sustain and no subsequent notes played afterwards.

SUSTAIN: has the same function as the "sustain" pedal on the acoustic piano. It provides sustain and lets the sound slowly decay after the keys have been released.

VOLUME PEDAL
If necessary it is possible to connect a Volume Pedal to the instrument, but it is necessary to program the instrument.
We will see how to do it later in this manual.

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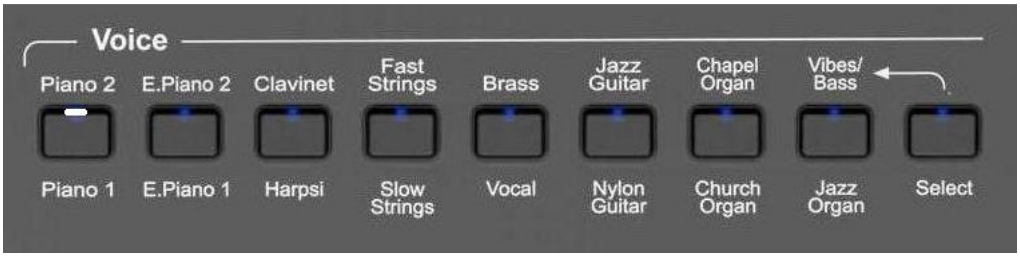
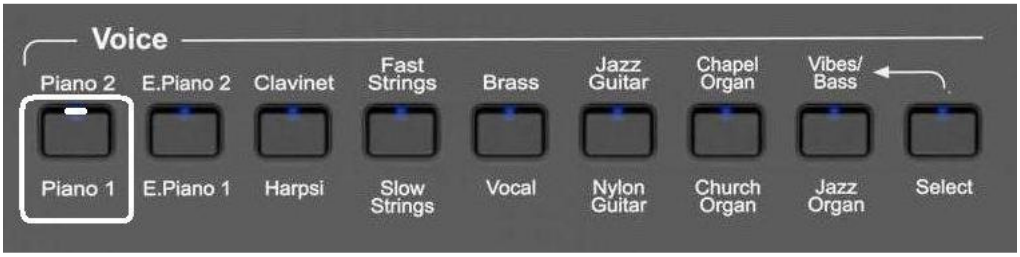
CONTROL PANEL

Your instrument's control panel is designed to be easy to use. Most of the controls are single function. Each control has an LED showing if the function has been activated.
Whenever your instrument is switched on, it will automatically select PIANO 1 (Grand Piano) on the keyboard.

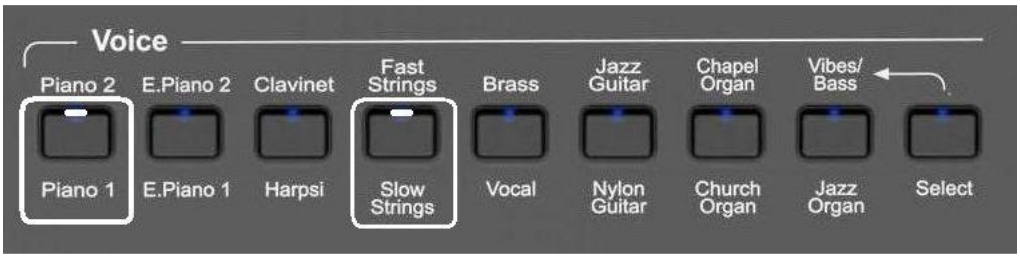
VOICE SECTION



To select the sounds listed below the sound buttons make sure that the SELECT button is switched Off.
Press one of the Voice buttons to select the sound you wish to play. Its Led lights up and you can play the desired sound.
To select the sounds listed above the sound buttons make sure that the SELECT button is switched On.
Press one of the Voice buttons to select the sound you wish to play. Its Led lights up and you can play the desired sound.
To select the Piano 1 sound press the related button



It is also possible to play two sounds at the same time, for example PIANO 1 and SLOW STRINGS.



- To select the PIANO 1 sound press and hold the related button.
- While holding down the PIANO 1 button also press the SLOW STRINGS button.
- The two sounds are now selected and they can be played at the same time.

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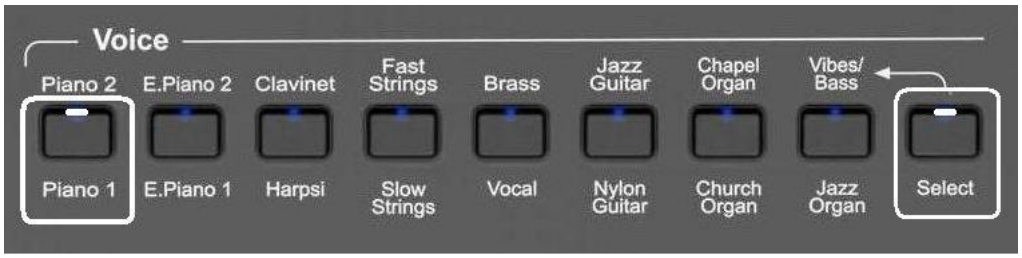
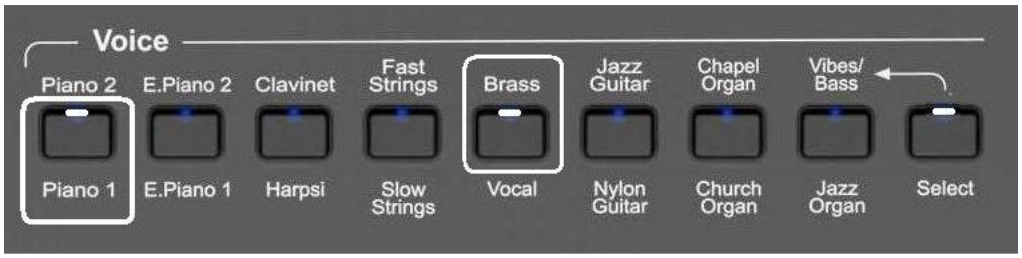
It is also possible to play two sounds at the same time, selecting them from the top and the bottom row, for example PIANO 1 and BRASS.

- To select the PIANO 1 sound press and hold the related button.
- While holding down the PIANO 1 button also press the SELECT button to select the upper row.



- Release now the SELECT button and while holding the PIANO1 button press the BRASS button .

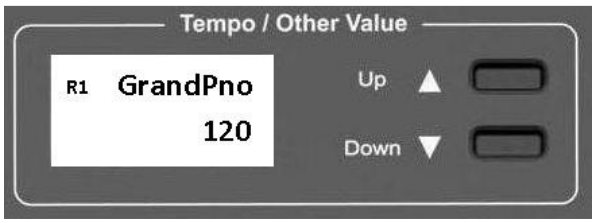


- The two sounds are now selected and they can be played at the same time.

As soon as the second sound is selected the display will indicate

NOTE – When the display indicate R1 = Right1 (Sound 1). When the display indicate R12 = Right1 (Sound 1) + Right2 (Sound 2).

A few seconds after the BRASS button is pressed, the display will change to the main sound page



It is now possible to balance the two sounds using the (/\) UP and (\/) Down DATA buttons . Try the different volume settings as per below table:

4 - 1	4 – 2	4 - 3	4 – 4	3 - 4	2 - 4	1 - 4

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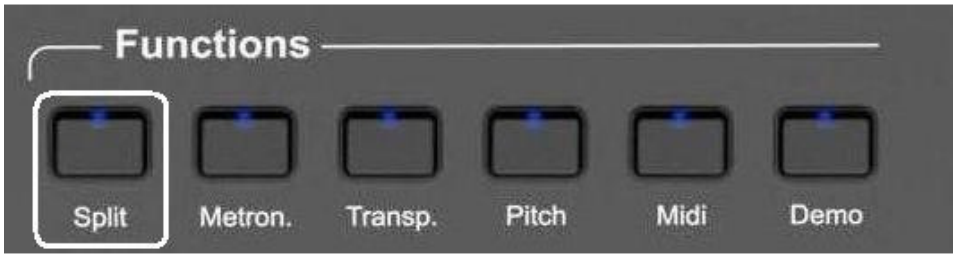
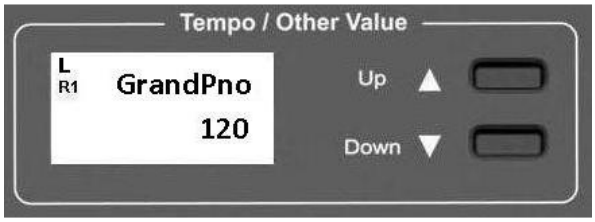
SPLIT



When the SPLIT button is pressed (its Led will start blinking) the instrument automatically splits the keyboard in two parts and a different sound is automatically selected on the left part of the keyboard. The STRINGS 1 Sound is automatically selected to the left part of the keyboard and the display will indicate:

After a few seconds the SPLIT button Led will stop blinking and the display will indicate:



The instrument is now in Split mode with Strings1 on the left and Piano on the Right.

It is possible to select a different sounds for the left section. There are 20 sounds available in the LEFT SOUND internal library. Press the (\/) Down button and scroll all the available sounds for the LEFT.

Nr	Sound Name		Nr	Sound Name
1	Strings 1		11	Jazz Guitar
2	Harpsichord		12	Brass Section
3	E.Piano 1		13	Strings 2
4	Grand Piano		14	Clavinet
5	Organ Bass		15	E.Piano 2
6	Finger Bass		16	Bright Piano
7	Acoustic Bass		17	Jazz Organ
8	Bass / Ride		18	Church Organ
9	Vibes		19	Nylon Guitar
10	Chapel Organ		20	Vocal

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To select a new sound press the SPLIT button (its Led is blinking) and use the (/\) UP and (\/) Down DATA buttons to select the desired sound on the display. After you have selected the desired sound wait a few seconds until the SPLIT button Led stops blinking.
The new sound is now selected.
SPLIT POINT
If necessary it is possible to change the Split Point:

- Press the SPLIT button and hold it for a few seconds until the display shows:

- The display indicates that F#2 is the current Split point. The number 54 is related to the note midi number.
- To change the Split Point, there two possible solutions:
  A - press and hold the SPLIT button and use the (/\) UP and (\/) Down DATA buttons to set a different value.
  B - press and hold the SPLIT button and select the key where the new Split point is desired.
- As soon as the SPLIT button is released, the display will go back to normal mode.

DIGITAL REVERB

The DIGITAL REVERB effects expand the sounds of your instrument giving your music a new dimension. The instrument has three different Reverb Type:

1 – Room 2 – Hall 3 – Theatre.

If the REVERB effect is selected , it will stay switched ON even if a different sound is selected while playing.
It is possible to select for each sound of the instrument the desired REVERB effect and it will stay in memory until the instrument will be switched off.

CHORUS EFFECT

This gives all the sounds of these sections a fuller, rounder and warmer sound.
If the CHORUS effect is selected , it will stay switched ON even if a different sound is selected while playing. At Power Up the CHORUS effect will always be switched OFF.
It is possible to select for each sound of the instrument the CHORUS effect On or Off and it will stay in memory until the instrument will be switched off.

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BRILLIANCE CONTROL

It is possible to adjust the sound of the instrument, changing it to a mellower or sharper sound.
By pressing the Brilliance/Chorus button for a few seconds, the display will show:

The Brilliance button Led is now blinking and using the (/\) UP and (\/) Down DATA buttons it is possible to change the sound.
The values can be set up to +4 (max bright sound) and down to -4 (max mellow sound).
Select the value you prefer and the instrument will remember it, even after switching it off.
To go back to factory set value (00) use the (/\) UP and (\/) Down DATA buttons.

TOUCH SENSE

Just like an acoustic piano, your instrument has an 88 note keyboard with velocity control. This means the level of the audio signal will be in proportion with the velocity of the key pressed. If you play soft you will have a quiet sound, while if you play very hard you will have a much louder sound .
The TOUCH SENSE button allows you to select 3 different touch sensitivity curves:

1 - HARD	This setting requires the keys to be played quite hard to produce maximum loudness.
2 - NORMAL	This setting produces standard keyboard response. This is the factory default mode.
3 - SOFT	This setting allows maximum volume with light key pressure.

Select the Touch Sensitivity you desired by pressing the TOUCH SENSE button until the desired Led is switched On. If no Led is switched On the keyboard will be set at NO TOUCH SENSITIVITY.
At Power Up the NORMAL curve will be automatically switched ON.

When Touch Sense is switched Off, the keyboard will play without touch sensitivity at the fixed midi value of 100 and this midi value can be changed following this procedure:

- Make sure that the Touch Sensitivity Leds are switched Off.

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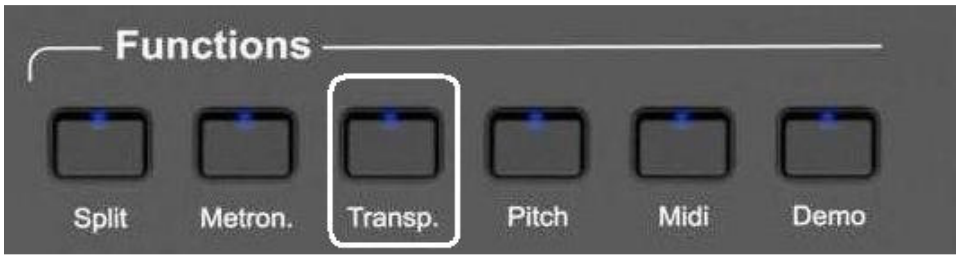
- press the Touch Sense button and hold it. The display shows:

- using the (/\) UP and (\/) Down DATA buttons it is possible to change the response from 0 (no sound) to 127 (maximum volume).

TRANSPOSE



The natural pitch of the instrument is C but can be modified as follows:
- press the TRANSPOSE button in the FUNCTIONS section.
- The Transpose button will start blinking and the display will show:

Using the (/\) UP and (\/) Down DATA buttons it is possible to transpose the instrument in the desired key according to the following table

G	G#	A	A#	B	C	C#	D	D#	E	F	F#
-5	-4	-3	-2	-1	0	1	2	3	4	5	6

For example, transposing to E:
- Press the (/\) UP button four times (four semitones), the display will show:

If the new key is A# (starting from C key):

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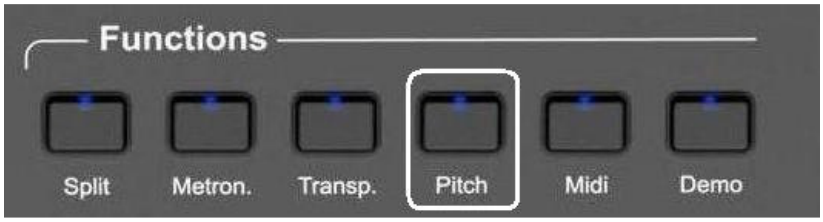
- Press the (\/) Down button two times (two semitones).
- As soon as the button is pressed, the display will show:

When the TRANSPOSE Leds are blinking, it is possible to restore the C natural keying by pressing the (/\) UP and (\/) Down DATA buttons at the same time.
At Power Up the instrument returns automatically to the original tuning.

PITCH

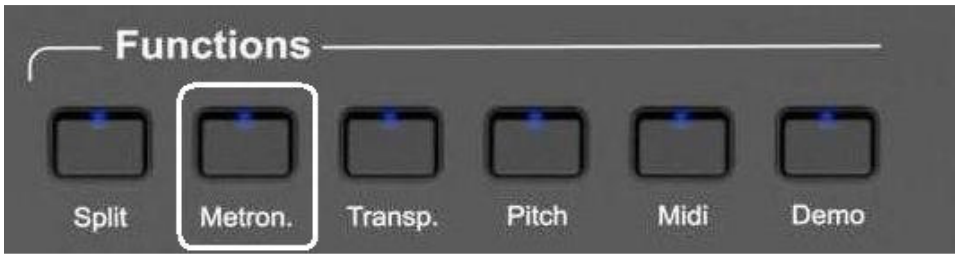


In those cases where transposition by semitones is not enough, and a more accurate tuning is necessary, it is still possible to change pitch.

1 - Push the PITCH button (the Led is blinking).
2 - Push the (/\) UP or (\/) Down to match the required frequency.

The pitch can be changed by 10 cents Up and 10 cents DOWN.
While the PITCH Led is blinking, press the Up and Down Buttons at the same time to return to the normal pitch of the instrument.
At Power Up the instrument returns to the original tuning.

METRONOME



To use the METRONOME, push the METRONOME switch, and the pulsed beat selected will be played though the speakers. The beginning of each measure is indicated by a louder sound.
It is possible to change the tempo speed of the metronome by using the (/\) UP and (\/) Down buttons.
To stop the METRONOME, push the METRONOME switch again

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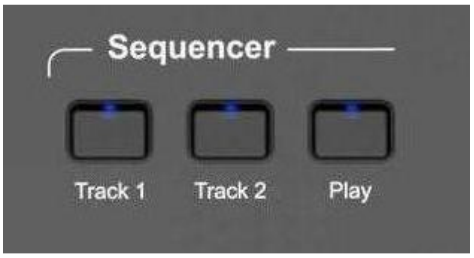
The Metronome will start running according to selected Time Signature. Press the Metronome Off to stop it. There are different Time Signatures available: Mono Click (1/4), 2/4, 3/4, 4/4, 5/4 and 6/8.

How to select the different Time Signatures:

- press and hold the METRONOME button in the FUNCTIONS section and press it for a few seconds.
- the display will show for example:

- Using the (/\) UP and (\/) Down DATA buttons it is possible to change the Metronome Value.
- Release now the METRONOME button and start practicing.

SONG RECORDER – SEQUENCER



It is possible to store one complete song in two separate Tracks or two songs into two Tracks.

How to store a Sequence:

1 - Press Track 1 - its Led is On -.

2 - It is possible to start now with or without Metronome, with the selected Time Signature as seen in the METRONOME paragraph. Start playing your own music as soon as you are ready, and the Sequencer will start storing the data as soon as the first key is pressed.
At the end of your recording just press Track 1 again to store the song.

3 - It is possible to record a new song in Track 2 in the same way. If you want to store in Track 2 a second part of the same song, press Track 1 first and Track 2 afterwards. Track 1 will be in Play mode and Track 2 will be in Record mode.

4 - At the end of recording of Track 2, switch both Track 1 and Track 2 to end recording.

5 - To play back Track 1 and Track 2 simultaneously switch them on and press the PLAY button.

NOTE - a - When a Track is recorded and stored it is necessary to allow a couple of seconds before pressing the PLAY button. This give the time to the internal computer to properly store the Song Data.

b - The BASS TO LEFT feature can not be used during recording. The recording of the song it is possible only using one sound in the VOICE section.

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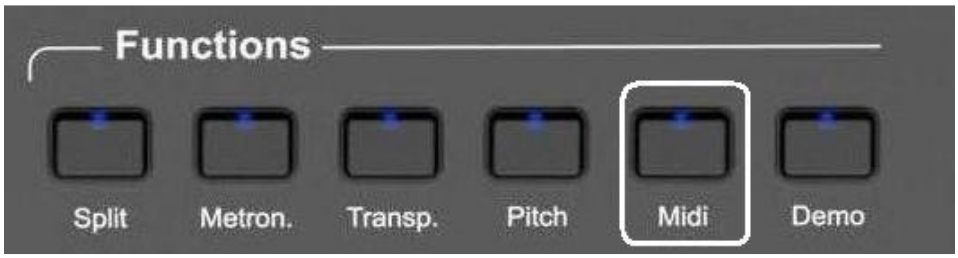
MIDI FUNCTIONS



Press the MIDI button several times to select the midi features of the instrument.
While in the midi pages the Midi Led is blinking.

Midi Out On/Off — It allows to enable or disable the Midi Out Signal of the instrument.
Press the MIDI button 1 time to select the Midi Out Port On or Off function.

Using the (/\) UP and (\/) Down DATA buttons it is possible to set the Midi Out On or Off.

Midi Local On/Off — It allows to Mute the internal sound and use external sounds only.
Press the MIDI button 2 times to select the Midi Local On or Off feature.

Using the (/\) UP and (\/) Down DATA buttons it is possible to set the Midi Local On or Off.

Program Change On/Off

It allows to send and receive or NOT the Midi Program Change codes.
Press the MIDI button 3 times to select the Midi Program Changes On or Off feature.

Using the (/\) UP and (\/) Down DATA buttons it is possible to set the Midi Program Change On or Off.

Control Change On/Off

It allows to send and receive OR NOT the Midi Control Change codes.
Press the MIDI button 4 times to select the Midi Control Changes On or Off feature.

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Using the (/\) UP and (\/) Down DATA buttons it is possible to set the Midi Control Change On or Off.

Twin Function On/Off

This configuration is very good for practice. Teacher and pupil can play at the same time the same notes in the same instrument.
Press the MIDI button 5 times to select the TWIN Function. This is not a real Midi function but a way to set the internal Midi to configure the 88 notes of the instrument in two identical half keyboard in the same key and same octave.

Using the (/\) UP and (\/) Down DATA buttons it is possible to set the TWIN function On or Off.

BLUETOOTH AUDIO CONNECTION

It is possible to connect the instrument to a remote audio device, Smart Phone or Smart Tablet, using the optional BT1 RECEIVER that can be connected in the Bluetooth socket in the back of the instrument.
The Bluetooth Audio Connection will connect your Smart Phone or similar devices to the instrument amplification system and it will to transmit wireless your personal music selection.
It will transform your instrument, giving you the chance to play with your favorite musicians or singers, will be a great Entertainment Center for the family.

- Insert the BT1 Receiver in the dedicated socket in the back panel
- When the BT1 receiver is ready, its blue Led will be On and flashing quickly for about 5 seconds. Than it will start flashing at a slower speed after the BT1 will match the Bluetooth device.
- Find now the BT1 on the Bluetooth device and select it to complete connection.
- As soon as the connection is completed, the blue Led will stop flashing to indicate the two devices are successfully connected.
- Start playing your audio file from Bluetooth device and have fun.

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VOLUME PEDAL

If necessary it is possible to connect a Volume Pedal, but it is necessary to set the instrument. Insert the volume pedal jack plug in the socket in the back of the instrument (Expression in the panel).

To program the volume pedal parameters follow these procedures:

- Press the SPLIT and METRONOME buttons at the same time (their Leds are blinking). The display indicate:

- Press the E.PIANO1 button to continue the setting and the display indicate:

- Now, set the volume pedal to minimum volume and press the (\/) Down button. The display indicates now

- Now, set the volume pedal to maximum volume and press the (/\) UP and button. The display indicates now

NOTE - The number indicated may be different when using different types of Volume Pedals.

- In case the Volume Pedal used is working in the opposite way, press the HARPSI button and the display will indicate:

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- Press HARPSI button again to configure Normal Volume Setting. The Display will indicate:

- Make sure that the Volume Pedal is working properly and save the obtained configuration by pressing the SELECT button (in the VOICE section). The display will indicate:

- To return to standard piano pedal setting press the SPLIT and METRONOME buttons again (the Led are blinking). The display will show:

- Press now the Piano 1 VOICE button and the display will indicate:

- To save the Standard Piano Configuration press the SPLIT and METRONOME buttons again (the Leds will be Off) and the display will return to VOICE sound at last selected page.

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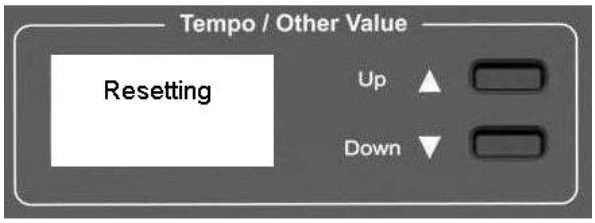
RESET

If it should be necessary to completely erase the internal RAM memory, a very simple reset feature is provided.

1 - Make sure that the instrument is switched off.
2 - Press and hold the (/\) UP and (\/) Down DATA buttons



3 - Switch on the instrument while holding the (/\) and (\/) buttons down.
4 - The display shows Resetting.

Do not reset the instrument if it is not necessary. All your information you have programmed will be automatically erased from the internal RAM memory. The factory set programs will be automatically restored.

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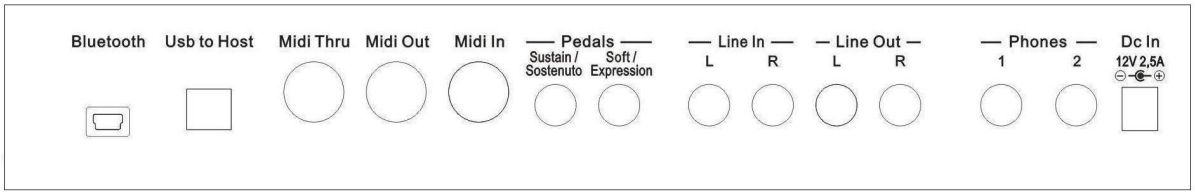
CONNECTIONS



BLUETOOTH
This is the socket where to insert the Bluetooth Receiver unit that allows to connect a Bluetooth transmitting unit (smart phone, tablet, etc) to the instrument audio system.

USB TO COMPUTER
It is possible to connect the instrument to a computer using the USB port located in the back panel of the instrument and control the Midi parameters.

MIDI CONNECTIONS
The Midi IN connector receives the Midi data from an external Midi device which can be used to control the instrument. The Midi THRU connector retransmits any data from the Midi IN directly to other Midi devices. The Midi OUT connector transmits Midi data generated by the instrument to other Midi devices.

PEDALS
These two jack plugs are used to connect the pedals available with the instrument. They can be switch pedals for the piano functions but it is also possible to use a Volume pedal.

STAGE STUDIO – it is supplied with a Sustain Pedal. Connect it to the Pedal Input Sustain/Sostenuto obtain the Sustain effect when used.

CDP 101 – It is supplied with a complete set of 3 pedals. Insert the mono jack to the Pedal Input Soft/Expression and the stereo jack in the Pedal Input Sustain/Sostenuto.

NOTE – The STAGE STUDIO can also use a set of 3 pedals (optional). Same connection as in CDP 101.

VOLUME PEDAL – Connect the volume pedal to the Soft/Expression Pedal Input (it is necessary to configure the instrument).

LINE IN SOCKETS
There are two inputs (Left and Right) and they are used to send the audio signal of an external instrument to the internal amplifier.

LINE OUT SOCKETS
There are two outputs (Left and Right) and they are used to send the audio signal out an external amplifier, mixer console or recording equipment. To connect the instrument in Stereo to an external amplification system connect both Left and Right outputs.

HEADPHONES
Two headphone set can be plugged in for private practice. They disconnect the speaker system and allow you to play without disturbing the others being disturbed by outside noise.

DC IN SOCKET
This is the connection to power. Connect the adapter to this socket to power the instrument. Use only original adapter.

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STAGE STUDIO Digital Piano - MIDI IMPLEMENTATION CHART V 1.0

FUNCTION		TRANSMITTED	RECOGNIZED	REMARKS
Basic Channel	Default	1-2	1 to 16	Ch. 10 omitted
	Changed	1 - 2	1 to 16	Ch. 10 omitted
Mode	Default	Mode 3	Mode 3	
	Messages	x	x	
Note Number: True voices		21-108	21-108 21-108	
Velocity	Note ON	0	0	
	Note OFF	x	x	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	0	
ControlChange	07	0	0	VOLUME
	10	x	0	PAN POT
	64	0	0	DAMPER
	66	0	0	SOSTENUTO
	67	0	0	SOFT
	11	0	0	EXPRESSION
Program Change : True #		0 0	0 0	
System Exclusive		x	x	
System:	Song pos.	x	x	
	Song Sel.	x	x	
Common:	Tune	x	x	
System : Real time :	Clock	x	x	
	Commands	x	x	
Aux Msgs :	Local ON/OFF	0	0	
	All notes OFF	0	0	
	Active sense	x	x	
	Reset	x	x	

Mode 1: OMNI ON, POLY Mode 3: OMNI OFF, POLY 0 = YES
Mode 2: OMNI ON, MONO Mode 4: OMNI OFF, MONO x = NO

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