

# User's Guide

## Introduction

Thank you for purchasing the KeyControl 25/49/61 XT. KeyControl 25/49/61 XT provides everything you need to control software synthesizers, sequencing software, other MIDI equipment and much more directly and conveniently in a stylish product with a stable aluminium cabinet enclosure.

KeyControl 25/49/61 XT provides 25, 49 or 61 full size keys, a *MODULATION SLIDER*, a *PITCH BEND* wheel, a *SHIFT* and two *OCT/TRANS* buttons as well as 4 endless encoders *R1* to *R4* (8 endless encoders *R1* to *R8* on KeyControl 61 XT). Configuration is done via the buttons and the functions assigned to each key (conveniently printed above the key), including the numeric keys that allow you to enter numbers.

Please note that this document covers the basics of the various built-in functions. However, this manual is not intended to explain the basics about MIDI, MIDI controller messages, MIDI programs, MIDI channels or anything about typical audio/MIDI sequencing software. If you need to get more information about MIDI (i.e. you don't know what a MIDI controller actually is for example), a good start is usually the manual of your notation or sequencing software. In addition there are a lot of details about MIDI on the Internet. A good technical resource and great starting point is [www.midi.org](http://www.midi.org), some details are typically also provided in various forums about audio / MIDI and home recording.

## Connection

KeyControl 25/49/61 XT gets connected via the included USB cable to your computer. This connection powers the keyboard and is used to transfer the MIDI data to your computer. KeyControl 25/49/61 XT works with computers using Windows 8, Windows 7, Windows Vista, Windows XP or Mac OS X. You can also use KeyControl 25/49/61 XT without a computer. To do that an external (not included) 12V / 0.5A DC power supply and a standard MIDI connection cable is needed.

It is even possible to connect KeyControl 25/49/61 XT to an Apple iPad using a camera connection USB adapter as the keyboard is a 100% class compliant device.

## Octave Change

To change the octave range of the keyboard up or down, press the left (down) or right (up) *OCT/TRANS* button. A solid (non-flashing) LED light under the button cover will show that the octave has changed. If the LED is flashing instead, you have changed the transposition (see below). To select between octave and transposition change, you need to press the *SHIFT* button and then hit the *OCT/TRANS* key.

## Transpose

To change the transposition of the keyboard up or down, press the left (down) or right (up) *OCT/TRANS* button. A flashing (not solid) LED light under the button cover will show that the transposition has changed. If the LED is solid instead, you have moved the octave range (see above). To select between transposition and octave change, you need to press the *SHIFT* button and then hit the *OCT/TRANS* key.

## Program Change

To change the program (instrument), press the *SHIFT* button and then hit the *PROGRAM* key. Now enter the program number with the numeric keys (from 0 to 127) and once finished, hit the *ENTER* key.

## MIDI Channel

To change the MIDI channel, press the *SHIFT* button and then hit the *CHANNEL* key. Now enter the MIDI channel number with the numeric keys (from 1 to 16) and once finished, hit the *ENTER* key.

## Velocity Curve

KeyControl 25/49/61 XT has 5 velocity curves available: 1. soft; 2. normal; 3. hard; 4. fixed at 100; 5. fixed at 127. To select the curve, press the *SHIFT* button and then hit the *VELOCITY* key. Now enter the number of the curve with the numeric keys (from 1 to 5) and once finished, hit the *ENTER* key.

## Bank Select

To select a different instrument bank, press the *SHIFT* button and then hit the *BANK MSB* (for bank MSB bank selection) or *BANK LSB* (for bank LSB bank selection) key. Now enter the bank number with the numeric keys (from 0 to 127) and once finished, hit the *ENTER* key. Note that most sound modules require you to change the program after selecting the bank.

## GM / GS selection

To send out a GM or GS initialisation string, press the *SHIFT* button and then hit the *GM/GS* key. The first time you do this, a GM init string is set, the next time a GS init string, then again GM, and so on.

## Sustain Pedal Polarity

The polarity of the sustain pedal input can be changed by pressing the *SHIFT* button, followed by hitting the *PEDAL POL* key. Every time you do this, the polarity is swapped.

## Sustain Pedal Controller Assignment

To assign a controller number to the sustain pedal input, press the *SHIFT* button and then hit the *PEDAL SET* key. Now enter the controller number with the numeric keys (from 0 to 127) and once finished, hit the *ENTER* key.

## Modulation Slider Controller Assign.

To assign a controller number to the slider, press the *SHIFT* button and then hit the *SLIDER SET* key. Now enter the controller number with the numeric keys (from 0 to 127) and once finished, hit the *ENTER* key. By default, the slider is set to modulation (controller number 1).

## Endless Encoder Controller Assign.

To assign a controller number to any of the 4 or 8 endless encoders (*R1* to *R4* or *R8*), press the *SHIFT* button and then hit the *ENCODER SET* key. Now touch / turn the encoder that you want to change. After that, enter the controller number with the numeric keys (from 0 to 127) and once finished, hit the *ENTER* key.

## Load and Save configuration

KeyControl 25/49/61 XT allows you to save the configuration to an internal register. You can save up to 10 different configurations (0 to 9).

To save the current settings to a register, press the *SHIFT* button, followed by hitting the *REGISTER* key and the number key (0 to 9) simultaneously. It is important you hit both keys at the same time to save the data.

To load a configuration from a register, press the *SHIFT* button, then hit the *REGISTER* key and then the desired number key (0 - 9) followed by the *ENTER* key.

## Reset

To reset all notes, press the *SHIFT* button and then hit the *RESET ALL* key.

## General Information

For technical support inquiries, contact your nearest dealer, local distributor or check [www.esi-audio.com](http://www.esi-audio.com) online.

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All features and specifications are subject change without notice. Parts of this manual are continually being updated. Please check our web site occasionally for the most recent update information.

