

# KENTON

## User instructions for Kenton MIDI retrofit for YAMAHA PF-15

*These instructions are only for PF-15 MIDI retrofit kits produced after 1<sup>st</sup> November 2004  
Firmware PF155130 or later*

***N.B. Different instructions apply to earlier Kenton PF-15 MIDI retrofit kits.***

### **USING THE INTERFACE**

Just play the PF-15 as normal. Any notes you play and their velocity, along with any operation of the sustain pedal will be transmitted on the selected MIDI channel to your receiving device. Program changes can also be sent from the keyboard in conjunction with the red push button – see below.

When you turn on the PF-15 for the very first time, it will be transmitting information on MIDI channel 1. If you want to change the transmit channel see below.

### **USING THE RED PUSH BUTTON TO SEND PROGRAM CHANGES**

A short on the red push button enters program change mode. Any key then selects a program change which is transmitted to your receiving device, you are then automatically returned to playing mode.

For example, a short press on the red push button followed by the bottom note on the keyboard will send program number 0 (or 1 if your receiving device numbers programs from 1 – 128 rather than from 0 – 127). Whereas a short press on the red push button followed by middle C on the keyboard will send program number 39 (or 40 if your receiving device numbers programs from 1 – 128 rather than from 0 – 127). It is not possible to send program numbers higher than 87 (88).

### **USING THE RED PUSH BUTTON TO SELECT THE TRANSMIT CHANNEL**

Pressing and keeping the red push button pressed for about four seconds or more enters setup mode. After the four seconds you can release the button. Then press the appropriate key to select the MIDI channel you want to use, you are then automatically returned to playing mode. On the following page is a list of what each key will do if pressed during setup mode. The transmit channel is then stored for recall next time the PF-15 is turned on.

### **TRANSPOSE LEVER (The one already fitted to the PF-15)**

When you use the transpose lever of the PF-15, the MIDI information sent to your receiving device will also be transposed by the same amount. Be aware however that this will also affect the program change and MIDI channel setting functions (using red push button). To avoid confusion, ensure that the transpose lever is in its central (non-transposed) position whenever you are going to press the red push button, or at least be mindful of its effect.

### **RESTORING FACTORY DEFAULT SETTINGS**

If you press and hold the red push button while you turn the PF-15 on, the interface will be reset to its default settings

## LIST OF KEYS USED IN SETUP MODE

A	Not Used - - -	<bottom note of keyboard>	
Bb	" "		
B	" "		
<b>C</b>	" "		
Db	" "		
D	" "		
Eb	" "		
E	" "		
F	" "		
Gb	" "		
G	" "		
Ab	" "		
A	" "		
Bb	" "		
B	" "		
<b>C</b>	Transmit Channel		1
Db	" "		2
D	" "		3
Eb	" "		4
E	" "		5
F	" "		6
Gb	" "		7
G	" "		8
Ab	" "		9
A	" "		10
Bb	" "		11
B	" "		12
<b>C</b>	" "		13
Db	" "		14
D	" "		15
Eb	" "		16
E	Not Used - - -		
F	" "		
Gb	" "		
G	" "		
Ab	" "		
A	" "		
Bb	" "		
B	" "		
<b>C</b>	" "	< middle C >	
Db	" "		
D	" "		
Eb	" "		
E	" "		
F	" "		
Gb	" "		
G	" "		
Ab	" "		
A	" "		
Bb	" "		
B	" "		
<b>C</b>	" "		

No more notes used in setup mode from here to the top of the keyboard

## **SPECIFICATIONS**

MIDI transmit only for notes #21 to #108

Velocity information also transmitted

Program changes 0 to 87 (1 to 88) can be transmitted in conjunction with the red push button

Sustain pedal information transmitted.

MIDI channel number selectable and stored in non-volatile memory

## **GENERAL INFORMATION ABOUT MIDI CONNECTIONS**

MIDI IN should be connected to a MIDI OUT or a MIDI THRU similarly MIDI OUT should be connected only to a MIDI IN and a MIDI THRU should also be connected only to a MIDI IN.

MIDI OUT is the signal from the synthesizer (or drum machine etc.) that is to be sent to another instrument. MIDI IN is a received signal that contains MIDI information from another synth, and MIDI THRU is an exact copy of information arriving at the MIDI IN socket. This allows several instruments to be connected together.

If you want to wire your own MIDI cables the following information may be useful:

- 1) Although a 5 pin connector is used, only two connections plus an earth connection are required.
- 2) If you look at the din **plug** from the wiring side you will see that the pins are numbered. Now with the pins uppermost and numbering from left to right (or clockwise) these are numbered 1 - 4 - 2 - 5 - 3.
- 3) The pins numbered 1 & 3 are not used. (the two outside ones)
- 4) The screen (earth) of your cable is connected to pin 2 (centre pin)
- 5) Pin 4 of one plug should be connected to pin 4 of the other
- 6) Pin 5 of one plug should be connected to pin 5 of the other
- 7) You should now have a working MIDI lead
- 8) It may be helpful to label one end of the cable MIDI IN & the other end MIDI OUT, to avoid confusion.

## **WARRANTY**

All Kenton MIDI Kits come with a 12 month (from purchase date) back to base warranty, (i.e. customer must arrange and pay for carriage to and from Kenton Electronics).

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The logo for Kenton Electronics, featuring the word "KENTON" in a bold, white, sans-serif font centered within a solid orange rectangular background.

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