

INSTRUCTIONS FOR MIDI INTERFACE

YAMAHA YP-40

MIDI - - -

Firstly, a few words about MIDI. MIDI is an acronym of Musical Instrument Digital Interface. It is a system for transferring information between synths or other equipment. The information is sent in digital format using codes laid down by the international MIDI committee.

USING THE INTERFACE - - -

When you first turn on the YP10, it will be transmitting MIDI information on channel 1. It is possible to change this by using the mode change push button, which also enables you to send patch changes via MIDI.

MODE CHANGE PUSH BUTTON

The push button has two functions :-

1) Pressing once only enters patch change mode. Any key then selects a patch change which is sent through MIDI. You are then automatically returned to playing mode.

2) Pressing once and holding for a couple of seconds enters program mode. This enables you to program in the transmit channel number. You are then automatically returned to playing mode.

On the following page is a list of what each key will do if pressed during program mode.

E	Not used	(BOTTOM E)	
F	Not used		
Gb	Not used		
G	Not used		
Ab	Not used		
A	Not used		
Bb	Not used		
B	Not used		
C	Not used		
Db	Not used		
D	Not used		
Eb	Not used		
E	Not used		
F	Not used		
Gb	Not used		
G	Not used		
Ab	Not used		
A	Transmit	channel	1
Bb	"	"	2
B	"	"	3
C	"	"	4
Db	"	"	5
D	"	"	6
Eb	"	"	7
E	"	"	8
F	"	"	9
Gb	"	"	10
G	"	"	11
Ab	"	"	12
A	"	"	13
Bb	"	"	14
B	"	"	15
C	"	"	16
		(MIDDLE C)	
Db	Not used		
D	Not used		
Eb	Not used		
E	Not used		
F	Not used		
Gb	Not used		
G	Not used		
Ab	Not used		
A	Not used		
Bb	Not used		
B	Not used		
C	Not used		

No notes used between here and top G

A few words about MIDI connectors

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 synthesiser (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. From left to right (or clockwise) these
are 1 - 4 - 2 - 5 - 3.
- 3) The pins numbered 1 & 3 are not used.
- 4) The screen (earth) 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 is preferable to label one end of the cable MIDI IN & the
other end MIDI OUT, to avoid confusion.

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