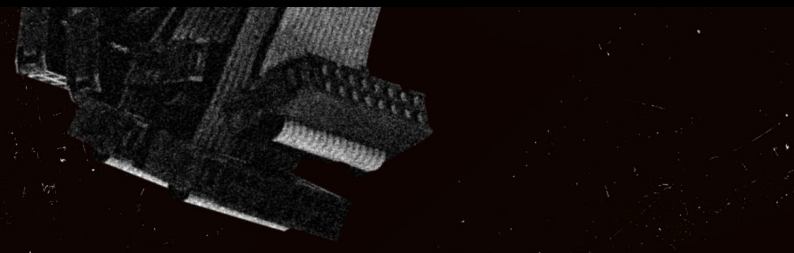
Select Bus Addendum



Introduction

The Select Bus protocol enables digital communication between modules through the ribbon cable typically utilized for power (at the back of the module). Communication occurs via pins 15 & 16 of the power connector, making it feasible only for modules employing large power cables (16 pins to 16 pins) and capable of handling the Select Bus protocol.

To enable Select Bus communication, a module needs to be set as a transmitter (master) and one or several modules must be set as receivers (slaves). Also, all the modules involved in the communication need to be connected on the same bus board.

Messages

The Select Bus protocol enables the transmission and reception of standard store and recall MIDI messages.

Store/Save message structure

Control Change #16	(1011 0000)	[CC16]	[Chanel 0]
Value 127	(0111 1111)	[Store]	
Program Change	(1100 0000)	[Pgm Cng]	[Chanel 0]
Preset Number	(0000 0000)	-(1111 1111)	(see note 1)

Recall/Load message structure

Control Change #16	(1011 0000)	[CC16]	[Chanel 0]
Value 64	(0100 0000)	[Recall]	
Program Change	(1100 0000)	[Pgm Cng]	[Chanel 0]
Preset Number	(0000 0000)	-(1111 1111)	(see note 1)

Notes

1. Depending on the manufacturer and module, a variable number of presets can be stored and recalled.

2. While these standard messages are utilized by several manufacturers, Make Noise implements slightly different messages. Consequently, Select Bus compatible modules from Make Noise are not compatible with Select Bus modules from other manufacturers.

3. Some manufacturers use alternative messages for purposes other than storing and recalling presets.