

HP-300/400 MIDI IMPLEMENTATION

TRANSMITTED DATA

Status	Second	Third	Description
1001 0000	0kkk kkkk	0vvv vvvv 0000 0000	Note On Note Off kkk kkkk = 29 - 103 (HP-300) 21 - 108 (HP-400) vvv vvvv = 1 - 127
1011 0000	0100 0000	0111 1111 0000 0000	Damper On Damper Off
1011 0000	0100 0001	0111 1111 0000 0000	Soft On Soft Off
1011 0000	0111 1111	0000 0000	All Notes Off POLY Mode Select

RECOGNIZED RECEIVE DATA IN OMNI MODE

Status	Second	Third	Description
1000 xxxx	0kkk kkkk	0vvv vvvv	Note Off kkk kkkk = 0 - 127 vvv vvvv = 0 - 127 xxxx = 0 - 15
1001 xxxx	0kkk kkkk	0vvv vvvv 0000 0000	Note On Note Off kkk kkkk = 0 - 127 vvv vvvv = 1 - 127
1011 xxxx	0100 0000	0111 1111 0000 0000	Damper On Damper Off
1011 xxxx	0100 0001	0111 1111 0000 0000	Soft On Soft Off
1011 0000	0111 1111	0xxx xxxx	All Notes Off POLY Mode Select xxx xxxx any value
	0111 1110	0xxx xxxx	All Notes Off MONO Mode Select (as OMNI)
	0111 1101	0xxx xxxx	All Notes Off OMNI Mode Select

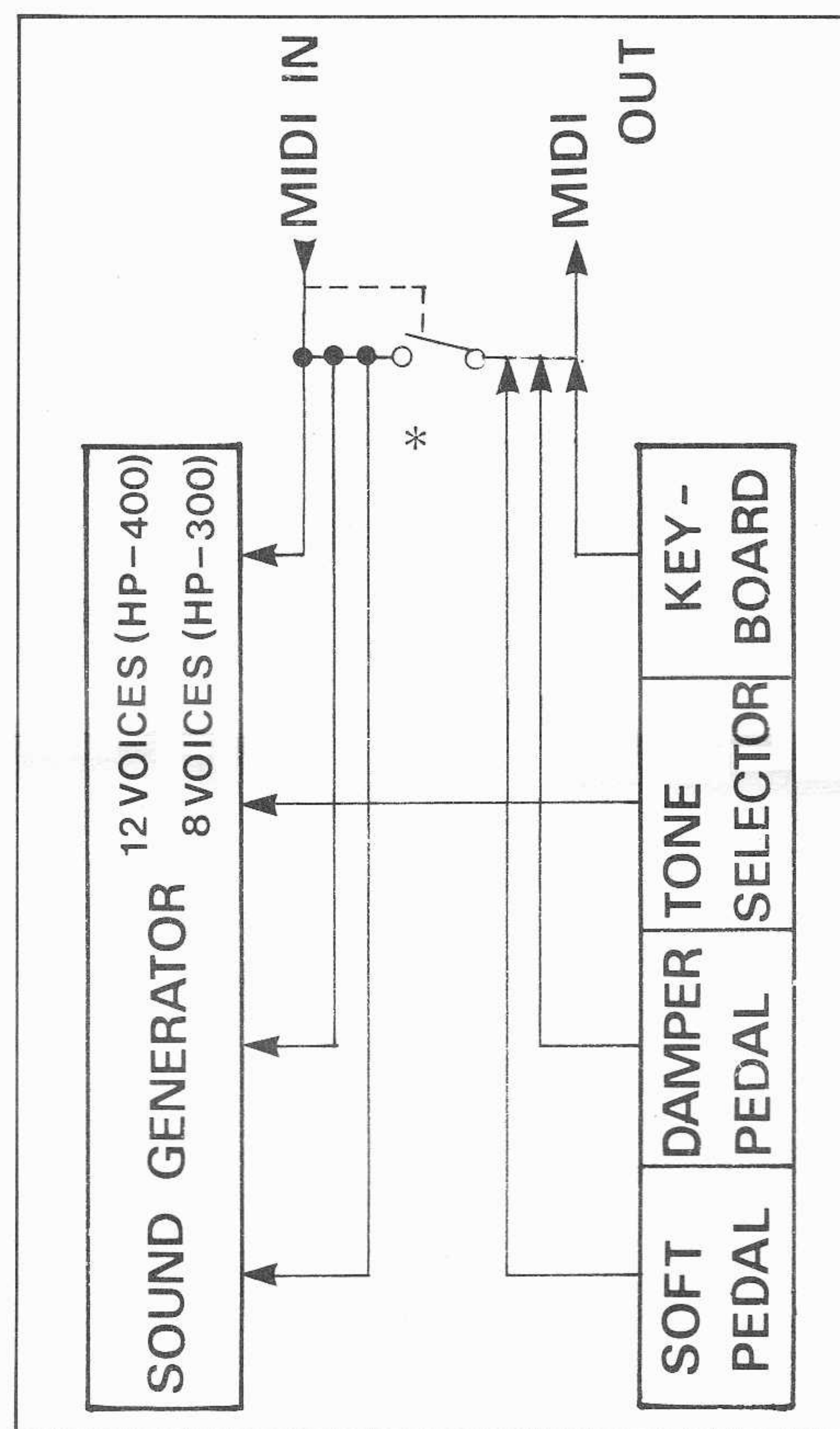
RECOGNIZED RECEIVE DATA IN POLY MODE

Status	Second	Third	Description
1000 0000	0kkk kkkk	0vvv vvvv	Note Off kkk kkkk = 0 - 127 vvv vvvv = 0 - 127
1001 0000	0kkk kkkk	0vvv vvvv	Note On Note Off kkk kkkk = 0 - 127 vvv vvvv = 1 - 127
1011 0000	0100 0000	0111 1111 0000 0000	Damper On Damper Off
1011 0000	0100 0001	0111 1111 0000 0000	Soft On Soft Off
1011 0000	0111 1111	0xxx xxxx	All Notes Off POLY Mode Select
	0111 1110	0xxx xxxx	All Notes Off MONO Mode Select (as OMNI)
	0111 1101	0xxx xxxx	All Notes Off OMNI Mode Select

Notes:

1. The transmitter sends All Notes Off code when all the keys are released.
2. The received notes outside the HP-300 (400) keyboard range will be shifted by octave(s) to fall within the range.

* Engaging MIDI IN disconnects some of the intraconnections for optimum operation when linking sequencer.



HP-300, HP-400