

Solaris System Exclusive

Get Parameter (5)

Purpose: Request a single parameter from the Solaris current preset. The parameter is identified by its NRPN index number.

Format	Description
F0	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
05	Msg ID (Get Parameter)
0x	Device ID (MIDI channel 0 - 15)
xx	NRPN Index bits [6:0]
xx	NRPN Index bits [13:7]
F7	EOX

Response:

Format	Description
F0	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
05	Msg ID (Get Parameter)
0x	Device ID (MIDI channel 0 - 15)
xx	Param Value bits [6:0]
xx	Param Value bits [13:7]
xx	?? always 0
xx	?? always 0
xx	?? always 0
xx	?? always 0
F7	EOX

Set Arpeggiator Step (6)

Purpose: Set the volume, length, and gate of a single arpeggiator step on the Solaris.
The arpeggiator has 32 steps. The steps set by this command reside in an edit buffer in the Solaris and will be included with the preset when it is saved. (User pattern)

Format	Description
FO	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
06	Msg ID (Set Arpeggiator Step)
0x	Device ID (MIDI channel 0 - 15)
xx	Step number 0 - 31
xx	Step Info bits [6:0] *See below
xx	Step Info bits [13:7]
xx	Step Info bits [20:14]
xx	Step Info bits [27:21]
xx	Step Info bits [31:28]
F7	EOX

*Step Info

A 32-bit word consisting of the following bit fields:

```
bits:      31                                     0
           00000000 000geeee eeeeeeee vvvvvvvv
```

v = step volume

e = note length

g = gate (1 = on, 0 = off)

0 = unused

Get Arpeggiator Step (7)

Purpose: Request the volume, length, and gate information of a single arpeggiator step on the Solaris. The step info comes from the pattern currently loaded.

Format	Description
FO	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
07	Msg ID (Get Arpeggiator Step)
0x	Device ID (MIDI channel 0 - 15)
xx	Step number 0 - 31
F7	EOX

Response:

Format	Description
FO	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
07	Msg ID (Get Arpeggiator Step)
0x	Device ID (MIDI channel 0 - 15)
xx	Step number 0 - 31
xx	Step Info bits [6:0] *See below
xx	Step Info bits [13:7]
xx	Step Info bits [20:14]
xx	Step Info bits [27:21]
xx	Step Info bits [31:28]
F7	EOX

*Step Info

A 32-bit word consisting of the following bit fields:

```
bits:      31                                0
           00000000 000geeee eeeeeeee vvvvvvvv
```

v = step volume

e = note length

g = gate (1 = on, 0 = off)

0 = unused

Set Parameter (8)

Purpose: Set the value of a single parameter in the Solaris current preset. The parameter is identified by its NRPN index number.

Format	Description
F0	System Exclusive
00 12 34	Manufacturer ID
10	Product ID
08	Msg ID (Set Parameter)
0x	Device ID (MIDI channel 0 - 15)
xx	NRPN Index bits [6:0]
xx	NRPN Index bits [13:7]
xx	Param Value bits [6:0]
xx	Param Value bits [13:7]
F7	EOX