

Assuming NRPN selected on the Desk, no Midi Thru anywhere, and Studio Manager connected via USB

This table is for:

01v96, 02r96, DM1000, DM2000

The LS9 and M7 always use desk specific SysEx, or NRPN, but do not send non-specific sysEx messages and so probably will not receive them.

The PM5 I have not yet tested.

SM = Studio Manager.....>>

Injection Point				Produces Output			
Desk move	SM Move	SM input	into desk USB	Midi In	desk to SM	SM to desk	Midi Out

Encoder (fader etc.)

Yes				NS			NRPN
	Yes					NS	NRPN

Conclusion: NS or NRPN
best applied at Midi-In
unless NRPN out required in which
case NS should be applied to SM
input and input to desk via USB

NS - ok							
S - ok							
	NS - ok						NRPN
	S - bad						
	NS - ok					NS	
	S - bad						
	NRPN - ok					NS	

On/Off

Yes				NS + S			NRPN
	Yes					NS	NRPN

Conclusion: NRPN
best applied at Midi-In

NS - undecided (greyed out button)							
S - crashes Studio Manager							
	NS - ok						NRPN
	S - bad						
	NS - ok					NS + S	
	S - bad						
	NRPN - ok					NS + S	

Solo, select, other button

Yes				S			
	Yes					S	

Conclusion: S only
best applied at Midi-In

NS - ok						
S - ok						
	NS - bad					
	S - ok					
	NS - bad					S
	S - ok					S
	NRPN - not exist					

NRPN will not pass through the USB connection

ok = accepted and control moved

S = desk specific SysEx message (F0 43 1n 3E 0D F7 for the 01v96)

NS = general digital desk SysEx message (F0 43 1n 3E 7F F7 for any Yamaha digital desk)

Good / Useful Can be Useful ?? BAD (= not accepted)

CONCLUSIONS ARE BASED ON THE REQUIREMENT TO UPDATE ALL PARTS OF ANY SYSTEM WHEN ANY CONTROL IS MOVED.

Only changes produce Midi-Output:- The same SysEx value sent to the desk as already held by the desk will not produce NRPN at Midi-Out.

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