EWI USB NRPN/SYSEX Chart

MSB	LSB	Message	Range	Default
00	00	Breath Gain	00..7F	40
00	01	Bite Gain	00..7F	40
00	02	Bite AC Gain	00..7F	40
00	03	Pitch Bend Gain	00..7F	40
00	04	Key Delay	00..0F	08
00	05	Unknown ???	------	7F
02	00	Midi Channel	00..0F	00 (midi channel 1)
02	01	Fingering	00 EWI 01 Saxophone 02 Flute 03 Oboe 04 EVI Valve 1 05 EVI Valve 2	00
02	02	Transpose *	00..7F	40 (middle C)
02	03	Velocity	01..7F 00 == Dynamic	20 (fixed)
02	04	Breath CC1	00..7F	02 (CC2/Breath)
02	05	Breath CC2	00..7F	00 (Off)
02	06	Unknown ???	------	00
02	07	Bite CC1	00..7F	7F (Pitch bend down/up)
02	08	Bite CC2	00..7F	00 (Off)
02	09	PitchBend UP control	00..7F	7C (Pitch bend up)
02	0A	PitchBend Down control	00..7F	7D (Pitch bend down)

* Transpose should be limited to 22 to 5D – though it can accept a wider range of values, it could cause problems.

SysEx standard values:
Vendor ID: 47
Device ID: 7F
Model ID: 6D

NRPN sysex start/stop requests
Before sending: NRPN 63 01 62 04 06 20
After sending: NRPN 63 01 62 04 06 10

How to request SysEx Banks from EWI USB:

NRPN 63 01 62 04 06 20
SYSX F0 47 7F 6D 42 00 00 F7
// Should receive sysex data for bank 2 here
NRPN 63 01 62 04 06 20
SYSX F0 47 7F 6D : 40 00 00 F7
// Should receive sysex data for bank 0 here
NRPN 63 01 62 04 06 10

This reference created by Jason M. Knight, 2009 for EWIUSB.COM