

ETS microphone speaker switcher command protocol version 2.0 8-10-10

- All commands received must be RS232, 2400 Baud, 8N1 (8 data bits, No parity and 1 stop bit).
- All commands must be ASCII characters and all letters must be upper case.
- Each command string must be immediately followed with a <CR> (0D hex) character to mark the end of transmission. DO NOT add a <LF> (0A hex) after <CR>.
- All single digit channel addresses must have an ASCII 0 zero preceding them. 00 is not a valid channel number. Example: 01,02,03
- All channels addressed in the “multi channel format” described below must have commas as separators between channel numbers. 01-99 is the valid range. Example: **MI,01,50,99<CR>**
- Commands may be combined with the asterisk * (2A hex) command separator character to form a single command transmission string as in the following format Example: **MI01*SO01,99*MI02*BO16,32<CR>**.
- Each command must be 5 characters minimum in length including the <CR> character. Single combined command strings cannot exceed 48 chars total.
- Because there is no report back of switcher channel status to the host computer from the switchers, it is highly recommended that a global command such as BN<CR> preface all switching commands. This way you will always know all channels are off before turning any channels on. Other approaches are valid, but require keeping track of enabled channels in the host software.

MICROPHONES (M=Microphone)

Function	Command
MICROPHONE “IN”	Mlxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: MI01,99 <CR>
MICROPHONE “OUT”	MOxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: MO01,99<CR>
MICROPHONE “ALL”	MA<CR>
MICROPHONE “NONE”	MN<CR>

SPEAKERS (S=Speaker)

Function	Command
SPEAKER “IN”	Slxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: SI01,99<CR>
SPEAKER “OUT”	SOxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: SO01,099<CR>
SPEAKER “ALL”	SA<CR>
SPEAKER “NONE”	SN<CR>

BOTH MICROPHONES and SPEAKERS (B=both)

Function	Command
MIC AND SPEAKER “IN”	Blxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: BI01,99<CR>
MIC AND SPEAKER “OUT”	BOxx<CR> (xx=01-99) 01=1, 02=2, etc. Multi channel format: BO01,99<CR>
MIC AND SPEAKER “ALL”	BA<CR>
MIC AND SPEAKER “NONE”	BN<CR>