

SPM723
Programmable
Stereo Preamp/Mixer
RS-232 Control Manual

advantage ®

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Manual Structure

This Computer control manual is structured so that the programmer only needs to ID a few Parameters for each command string. All commands are laid out in a table format, and all possible variables are defined in tables at the end of this manual. As an example you may see a command string of:

| | | | | |
|------------------------|--|------|--|--|
| Set Main Level Left | aaaa 01 ii 018 dd (| None | See table for aaaa definitions | |
|------------------------|--|------|--|--|

In this case the **aaaa**, **ii**, and **dd** variables need to be defined in order for the command to work. The **aaaa** variable is what value you want the Main level Left to be set to in the example above. The **ii** variable defines which channel the main level left will be set. The **dd** variable is the device number being addressed by the command.

- **aaaa**, **bbbb**, **cccc**, **eeee**, **ffff**, **gggg**, **hhhh** , **kkkk** = value to be set to. (always 4 pseudo hex bytes regardless of data type)
- **ii** = object instance number (e.g. Stereo Input #4, **ii** = "04")
- **dd** = device number / address (ranges from 0 to 63 or "00" to "3?")

To set main level left of channel 1 to +10dB, on device number 3 the command string should read:
000:0101018003(

Response Data Packets are formatted (using pseudo hex) as where:

- **vvvv** = value of the requested attribute in pseudo hex
- [CR] = carriage return

Response Data Packets will be returned for *Request Protocol* commands only.

Set Protocol

| Command | Request Data Packet (ASCII) | Response Data Packet | Data Range | Comments |
|--|-----------------------------|----------------------|---|---|
| Stereo Inputs (1-7) | | | | ii = "01" → Input1 to ii = "07" → Input7 |
| Set input ii to Main Left Level | aaaa01ii0180dd(| None | See table for aaaa definitions | |
| Set input ii to Main Right Level | aaaa01ii0280dd(| None | See table for aaaa definitions | |
| Set input ii to Zone Left Level | aaaa01ii0380dd(| None | See table for aaaa definitions | |
| Set input ii to Zone Right Level | aaaa01ii0480dd(| None | See table for aaaa definitions | |
| Mute channel fader to Main | 000101ii0580dd(| None | | |
| Unmute channel fader to Main | 000001ii0580dd(| None | | |
| Mute Zone | 000101ii0680dd(| None | | |
| Unmute Zone | 000001ii0680dd(| None | | |
| Gang main input St. Fader | 000101ii0>80dd(| None | | |
| Ungang main input St. fader | 000001ii0>80dd(| None | | |
| Gang Zone input St. Fader | 000101ii0?80dd(| None | | |
| Ungang zone input St. fader | 000001ii0?80dd(| None | | |
| Channel 7 input Unbalanced (Stereo) | 000001070780dd(| None | | Channel 7 Only |
| Channel 7 input Balanced (Mono) | 000101070780dd(| None | | Channel 7 Only |
| Enable channel 7 override functions | 000101070:80dd(| None | | Channel 7 Only |
| Disable channel 7 override functions | 000001070:80dd(| None | | Channel 7 Only |
| Hold Time (applies when Override is enabled) | cccc01070;80dd(| None | Set in .25 Second increments from 0 to 63.75 Second | See table for cccc definitions Channel 7 Only |
| Button Close | eeee01070<80dd(| None | See table for eeee definitions | button to be executed when override input is grounded (when Override disabled) Channel 7 Only |
| Button Open | eeee01070=80dd(| None | See table for eeee definitions | button to be executed when override input is opened (when Override disabled) Channel 7 Only |
| Enable Surround Sound | 000101061080dd(| None | | Channel 6 only |
| Disable Surround Sound | 000001061080dd(| None | | Channel 6 only |

| Mic Inputs (1-2) | | | | ii = "01" → Mic1 or ii = "02" → Mic2 |
|-----------------------------|-----------------|------|---|--|
| Left Main Level Fader | aaaa03ii0180dd(| None | See table for aaaa definitions | |
| Right Main Level Fader | aaaa03ii0280dd(| None | See table for aaaa definitions | |
| Left Zone Level Fader | aaaa03ii0380dd(| None | See table for aaaa definitions | |
| Right Zone Level Fader | aaaa03ii0480dd(| None | See table for aaaa definitions | |
| Gang Mic to Main Faders | 000103ii1580dd(| None | | |
| Ungang Mic to Main Faders | 000003ii1580dd(| None | | |
| Gang Mic to Zone Faders | 000103ii1680dd(| None | | |
| Ungang Mic to Zone Faders | 000003ii1680dd(| None | | |
| Trim | bbbb03ii0580dd(| None | See table for bbbb definitions | This value is set in 3dB increments |
| Bass | 00bg03ii0680dd(| None | b = BOOST: 0=cut 8=boost <=cut 1 step >=boost 1 step g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Bass Tone Control is a LPF with a fixed corner frequency of 169 Hz |

| | | | | |
|--------------------------------|-----------------|------|---|---|
| Treble | 00bg03ii0780dd(| None | b = BOOST: 0=cut 8=boost <=cut 1 step >=boost 1 step g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Treble Tone Control is a HPF with a fixed corner frequency of 6.025 KHz |
| Mute mic fader to Main | 000103ii0880dd(| None | | |
| Unmute mic fader to Main | 000003ii0880dd(| None | | |
| Mute channel fader to Zone | 000103ii0980dd(| None | | |
| Unmute channel fader to Zone | 000003ii0980dd(| None | | |
| Enable Phantom Power | 000103ii0:80dd(| None | | |
| Disable Phantom Power | 000003ii0:80dd(| None | | |
| Enable High Pass Filter | 000103ii0;80dd(| None | | Enable 112 Hz high pass filter |
| Disable High Pass Filter | 000003ii0;80dd(| None | | Disable 112 Hz high pass filter |
| Enable Mic Main | 000103ii0<80dd(| None | | |
| Disable Mic Main | 000003ii0<80dd(| None | | |
| Enable Page Over Ducking | 000103ii0>80dd(| None | | Makes Mic Mute input trigger page over ducking |
| Disable Page Over Ducking | 000003ii0>80dd(| None | | Makes Mic Mute input behave like a logic input |
| Enable Main Page Over Ducking | 000103ii0?80dd(| None | | Enables Page Over Ducking of the Main program |
| Disable Main Page Over Ducking | 000003ii0?80dd(| None | | Disables Page Over Ducking of the Main program |
| Enable Zone Page Over Ducking | 000103ii1080dd(| None | | Enables Page Over Ducking of the Zone program |
| Disable Zone Page Over Ducking | 000003ii1080dd(| None | | Disables Page Over Ducking of the Zone program |

| | | | | |
|-----------------------------|-----------------|------|--|---|
| Enable Gated Mic Operation | 000103ii1180dd(| None | | Enables gated operation of the Mic when Page Over Ducking is enabled |
| Disable Gated Mic Operation | 000003ii1180dd(| None | | Disables gated operation of the Mic when Page Over Ducking is enabled |
| Mute Hold Time | cccc03ii1280dd(| None | Set in .25 Second increments from 0 to 63.75 Seconds | See Table for cccc definitions. |
| Mute Button Close | eeee03ii1380dd(| None | See table for eeee definitions | Macro executed upon Mic Mute input grounding |
| Mute Button Open | eeee03ii1480dd(| None | See table for eeee definitions | Macro executed upon Mic Mute input opening |
| Enable EQ | 000003ii1780dd(| None | | |
| Bypass EQ | 000103ii1780dd(| None | | |
| Enable Mic Zone | 000103ii1880dd(| None | | |
| Disable Mic Zone | 000003ii1880dd(| None | | |
| Stereo Outputs | | | | ii = "01" → Main or ii = "02" → Zone ii = "03" → Aux |
| Left Output Fader Level | aaaa04ii0180dd(| None | | See table for aaaa definitions |
| Right Output Fader Level | aaaa04ii0280dd(| None | | See table for aaaa definitions |
| Stereo Output Mono-off | 000004ii0380dd(| None | | |
| Stereo Output Mono-on | 000104ii0380dd(| None | | |
| Mute Stereo Output fader | 000104ii0480dd(| None | | |
| Unmute Stereo Output fader | 000004ii0480dd(| None | | |
| Gang Output Faders | 000104ii1180dd(| None | | |
| Ungang Output faders | 000004ii1180dd(| None | | |
| EQ Bypass | 000104ii0580dd(| None | | |
| Enable EQ | 000004ii0580dd(| None | | |
| No Mic Priority | 000004ii0680dd(| None | | |
| Mic 1 Priority | 000104ii0680dd(| None | | |
| Mic 2 Priority | 000204ii0680dd(| None | | |

| | | | | |
|-----------|-----------------|------|--|---|
| Bass | 00bg04ii0780dd(| None | <p>b = BOOST: 0=cut 8=boost <=cut 1 step >=boost 1 step</p> <p>g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173</p> | <p>The Bass Tone Control is a LPF with a fixed corner frequency of 113 Hz</p> <p>Note: When using Boost or Cut in 1dB steps, set 'g' or gain to 0.</p> |
| Mid Range | 00bg04ii0880dd(| None | <p>b = BOOST: 0=cut 8=boost <=cut 1 step >=boost 1 step</p> <p>g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173</p> | <p>The Mid Range Tone Control is a BPF with a variable center frequency (See "Mid Range Frequency")</p> <p>Note: When using Boost or Cut in 1dB steps, set 'g' or gain to 0.</p> |

| | | | | |
|-----------------------------------|-----------------|------|--|---|
| Mid Range Frequency | ffff04ii0980dd(| None | ffff =(Hz) 0000 = 221 0001 = 442 0002 = 663 0003 = 884 0004 = 1.105K 0005 = 1.326K 0006 = 1.547K 0007 = 1.768K 0008 = 1.989K 0009 = 2.210K 000: = 2.432K 000; = 2.653K 000< = 2.874K 000= = 3.095K 000> = 3.316K 000? = 3.537K 00<0 = Decrement 00>0 = Increment | |
| Treble | 00bg04ii0:80dd(| None | b = BOOST: 0=cut 8=boost <=cut 1 step >=boost 1 step g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Treble Tone Control is a HPF with a fixed corner frequency of 3.386 KHz |
| Aux Output Summation | nnnn04030<80dd(| None | See table for nnnn definitions | This value defines which sources make up the Aux output. |
| Page Over Ducking Amount | gggg04ii0=80dd(| None | See table for gggg definitions | 0dB to 80 dB in 2dB increments |
| Page Over Ducking Rate | hhhh04ii0>80dd(| None | See table for hhhh definitions | 1dB/Sec to 200dB/Sec |
| Channel 7 Override Ducking Amount | gggg04ii0?80dd(| None | See table for gggg definitions | 0dB to 80 dB in 2dB increments |
| Channel 7 Override Ducking Rate | hhhh04ii0>80dd(| None | See table for hhhh definitions | 1dB/Sec to 200dB/Sec |

| Device Commands | | | | |
|---|-----------------|-------------------------------|--|-------------------------|
| Power Up – restore Status (temp preset) | 000006010180dd(| None | | |
| Power up – recall Preset 1 | 000106010180dd(| | | |
| Store Preset | jjjj06010280dd(| None | See table for jjjj definitions | |
| Erase Preset | jjjj06010380dd(| None | See table for jjjj definitions | |
| Recall Preset | jjjj06010480dd(| None | See table for jjjj definitions | |
| Device ID # | 00dd06010680dd(| None | See table for dd Parameter | |
| Button Macro | eeee06010780dd(| None | | Triggers a Button Macro |
| System Commands | | | | |
| Poll Command | 80dd* | mmnnoopp qrrrbllkk [CR] | mm = Chan 7 Level nn = Mic 1 Level oo = Mic 2 Level pp = Main Out Level qq = Zone Out Level rr = Aux Out Level bb = Last Macro Executed ll = Logic Inputs kk = Logic Outputs | |

Request Protocol

| Command | Request Data Packet (ASCII) | Response Data Packet | Data Range | Comments |
|---------------------------------|-----------------------------|----------------------|----------------------------------|---|
| Stereo Inputs (1-7) | | | | ii = "01" → Input1 to ii = "07" → Input7 |
| Main Level Left | 000001ii0180dd) | aaaa[CR] | See table for aaaa definitions | |
| Main Level Right | 000001ii0280dd) | aaaa[CR] | See table for aaaa definitions | |
| Zone Level Left | 000001ii0380dd) | aaaa[CR] | See table for aaaa definitions | |
| Zone Level Right | 000001ii0480dd) | aaaa[CR] | See table for aaaa definitions | |
| Channel to main Mute status | 000001ii0580dd) | 0000[CR] or 0001[CR] | 0000 = Unmute 0001 = Mute | |
| Channel to main Mute Status | 000001ii0680dd) | 0000[CR] or 0001[CR] | 0000 = Unmute 0001 = Mute | |
| Main Stereo Fader Ganged Status | 000001ii0>80dd) | 0000[CR] or 0001[CR] | 0000 = Unganged 0001 = Ganged | |

| | | | | |
|---------------------------------------|-----------------|----------------------|---------------------------------------|---|
| Zone Stereo Fader Ganged Status | 000001ii0?80dd) | 0000[CR] or 0001[CR] | 0000 = Unganged 0001 = Ganged | |
| Balanced Line In | 000001070780dd) | 0000[CR] or 0001[CR] | 0000 = Stereo 0001 = Balanced Line | Channel 7 Only |
| Monitor Level | 000001070980dd) | ??9=[CR] to 000:[CR] | -99 dB to +18 dBu | This Parameter is READ ONLY Channel 7 Only |
| Override Status | 000001070:80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | Channel 7 override Status |
| Hold Time | 000001070;80dd) | cccc[CR] | See table for cccc definitions | Set in .25 Second increments from 0 to 63.75 Seconds (applies when Override is enabled) Channel 7 Only |
| Button Close Channel 7 Only | 000001070<80dd) | eeee[CR] | See table for eeee definitions | button macro being executed when the Override input is grounded. (applies when Override is disabled) button macro to be executed when the Override input is opened (applies when Override is disabled) |
| Button Open Channel 7 Only | 000001070=80dd) | eeee[CR] | See table for eeee definitions | |
| Surround Sound | 000001061080dd) | 0000[CR] to 0001[CR] | 0000 = Disabled 0001 = Enabled | Channel 6 only |

| Mic Inputs (1-2) | | | | ii = "01" → Mic1 or ii = "02" → Mic2 |
|-------------------------------------|-----------------|-------------------------|---|---|
| Main Level Left | 000003ii0180dd) | aaaa[CR] | See table for aaaa definitions | |
| Main Level Right | 000003ii0280dd) | aaaa[CR] | See table for aaaa definitions | |
| Zone Level Left | 000003ii0380dd) | aaaa[CR] | See table for aaaa definitions | |
| Zone Level Right | 000003ii0480dd) | aaaa[CR] | See table for aaaa definitions | |
| Mic Faders (Main) Gang status | 000003ii1580dd) | 0000[CR] or 0001[CR] | 0000 = Unganged 0001 = Ganged | |
| Mic Faders (Zone) Gang status | 000003ii1680dd) | 0000[CR] or 0001[CR] | 0000 = Unganged 0001 = Ganged | |
| Trim | 000003ii0580dd) | bbbb[CR] | See table for bbbb definitions | |
| Bass | 00bg03ii0680dd) | 00bg[CR] | b = BOOST: 0=cut 8=boost g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Bass Tone Control is a LPF with a fixed corner frequency of 169 Hz |
| Treble | 00bg03ii0780dd) | 00bg[CR] | b = BOOST: 0=cut 8=boost g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Treble Tone Control is a HPF with a fixed corner frequency of 6.025 KHz |

| | | | | |
|------------------------------|-----------------|-------------------------|--|---|
| Mute Main | 000003ii0880dd) | 0000[CR] or 0001[CR] | 0000 = Unmute 0001 = Mute | |
| Mute Zone | 000003ii0980dd) | 0000[CR] or 0001[CR] | 0000 = Unmute 0001 = Mute | |
| Phantom Power | 000003ii0:80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| High Pass Filter | 000003ii0;80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | 112 Hz high pass filter Status |
| Mic Main Enable | 000003ii0<80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Monitor Level | 000003ii0=80dd) | kkkk[CR] | See table for kkkk definitions | This Parameter is READ ONLY |
| Page Over Ducking | 000003ii0>80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Main Page Over Ducking | 000003ii0?80dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Zone Page Over Ducking | 000003ii1080dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Gated Mic Operation | 000003ii1180dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Mute Hold Time | 000003ii1280dd) | cccc[CR] | See table for cccc definitions | |
| Mute Button Close | 000003ii1380dd) | eeee[CR] | See table for eeee definitions | Macro executed upon Mic Mute input grounding |
| Mute Button Open | 000003ii1480dd) | eeee[CR] | See table for eeee definitions | Macro executed upon Mic Mute input opening |
| EQ Bypass | 000003ii1780dd) | 0000[CR] to 0001[CR] | 0000 = Enabled 0001 = Bypassed | |
| Mic Zone Enable | 000003ii1880dd) | 0000[CR] or 0001[CR] | 0000 = Disabled 0001 = Enabled | |
| Stereo Outputs | | | | ii = "01" → Main or ii = "02" → Zone ii = "03" → Aux |
| Level Left | 000004ii0180dd) | aaaa[CR] | See table for aaaa definitions | |
| Level Right | 000004ii0280dd) | aaaa[CR] | See table for aaaa definitions | |
| Stereo/Mono | 000004ii0380dd) | 0000[CR] or 0001[CR] | 0000 = Stereo 0001 = Mono | |
| Mute | 000004ii0480dd) | 0000[CR] of 0001[CR] | 0000 = Unmute 0001 = Mute | |
| Output Faders Gang status | 000004ii1180dd) | 0000[CR] of 0001[CR] | 0000 = Unganged 0001 = Ganged | |
| EQ Bypass | 000004ii0580dd) | 0000[CR] to 0001[CR] | 0000 = Enabled 0001 = Bypassed | |
| Mic Priority | 000004ii0680dd) | 0000[CR] to 0002[CR] | 0000 = Neither 0001 = Mic 1 0002 = Mic 2 | |

| | | | | |
|---------------------|-----------------|----------|---|--|
| Bass | 00bg04ii0780dd) | 00bg[CR] | b = BOOST: 0=cut 8=boost g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Bass Tone Control is a LPF with a fixed corner frequency of 113 Hz |
| Mid Range | 00bg04ii0880dd) | 00bg[CR] | b = BOOST: 0=cut 8=boost g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Mid Range Tone Control is a BPF with a variable center frequency (See "Mid Range Frequency") |
| Mid Range Frequency | 000004ii0980dd) | ffff[CR] | ffff = (Hz) 0000 = 221 0001 = 442 0002 = 663 0003 = 884 0004 = 1.105K 0005 = 1.326K 0006 = 1.547K 0007 = 1.768K 0008 = 1.989K 0009 = 2.210K 000: = 2.432K 000; = 2.653K 000< = 2.874K 000= = 3.095K 000> = 3.316K 000? = 3.537K | |

| | | | | |
|-----------------------------------|-----------------|----------------------|---|---|
| Treble | 00bg04ii0:80dd) | 00bg[CR] | b = BOOST: 0=cut 8=boost g = GAIN (dB): 0 = Flat 1 = 1.023 2 = 1.938 3 = 2.766 4 = 3.522 5 = 4.217 6 = 4.861 7 = 5.460 8 = 6.021 9 = 6.547 : = 7.044 ; = 7.513 < = 7.959 = = 8.383 > = 8.787 ? = 9.173 | The Treble Tone Control is a HPF with a fixed corner frequency of 3.386 KHz |
| Monitor Level | 000004ii0;80dd) | kkkk[CR] | See table for kkkk definitions | This Parameter is READ ONLY |
| Aux Output Summation | 000004030<80dd) | nnnn[CR] | See table for nnnn definitions | This value displays which sources make up the Aux output. |
| Page Over Ducking Amount | 000004ii0=80dd) | gggg[CR] | See table for gggg definitions | |
| Page Over Ducking Rate | 000004ii0>80dd) | hhhh[CR] | See table for hhhh definitions | |
| Channel 7 Override Ducking Amount | 000004ii0?80dd) | gggg[CR] | See table for gggg definitions | |
| Channel 7 Override Ducking Rate | 000004ii1080dd) | hhhh[CR] | See table for hhhh definitions | |
| Device Commands | | | | |
| Power Up Status | 000006010180dd) | 0000[CR] or 0001[CR] | 0000 = Restore Last settings 0001 = Recall Preset#1 | |
| Recall Preset | 000106010480dd) | jjjj[CR] | See table for jjjj definitions | |
| Device ID # | 000006010680dd) | 00dd[CR] | See table for dd Parameter | |

| System Commands | | | | |
|------------------------|-------|--------------------------------|--|--|
| Poll Command | 80dd* | mmnnoopp qqrrbbllkk [CR] | mm = Chan 7 Level nn = Mic 1 Level oo = Mic 2 Level pp = Main Out Level qq = Zone Out Level rr = Aux Out Level bb = Last Macro Executed ll = Logic Inputs kk = Logic Outputs | |
| Get Serial Number | 80dd, | 42xx...xx [CR] | 42 = ASCII 'B' in pseudo hex x = ASCII characters between '0' and '9' in pseudo hex (16 pseudo hex values yielding 8 ASCII chars) | |
| Get Version | 80dd/ | Qqmmddy [CR] | | Qq = Model I.D. Mm = month Dd = day Yy = year |

Table for aaaa Parameter

| dB | aaaa | dB | aaaa | dB | aaaa |
|-------|------|-------|------|-------|------|
| 1dBup | 000> | -3dB | ???= | -18dB | ??>> |
| 1dBdn | 000< | -4dB | ???< | -19dB | ??>= |
| +10dB | 000: | -5dB | ???; | -20dB | ??>< |
| +9dB | 0009 | -6dB | ???: | -21dB | ??>; |
| +8dB | 0008 | -7dB | ???9 | -22dB | ??>: |
| +7dB | 0007 | -8dB | ???8 | -24dB | ??>8 |
| +6dB | 0006 | -9dB | ???7 | -26dB | ??>6 |
| +5dB | 0005 | -10dB | ???6 | -28dB | ??>4 |
| +4dB | 0004 | -11dB | ???5 | -30dB | ??>2 |
| +3dB | 0003 | -12dB | ???4 | -33dB | ??=? |
| +2dB | 0002 | -13dB | ???3 | -37dB | ??=; |
| +1dB | 0001 | -14dB | ???2 | -43dB | ??=5 |
| 0dB | 0000 | -15dB | ???1 | -49dB | ??<? |
| -1dB | ???? | -16dB | ???0 | -60dB | ??<4 |
| -2dB | ??>> | -17dB | ??>? | | |

Example: Set input 1 left level to increment on device number 3; **000>0103018003(**

Table for bbbb Parameter

| Level | bbbb | Level | bbbb | Level | bbbb | Level | bbbb | Level | bbbb |
|-------|------|-------|------|-------|------|-------|------|-------|------|
| -6dB | ???: | 9dB | 0009 | 24dB | 0018 | 39dB | 0027 | 54dB | 0036 |
| -3dB | ???= | 12dB | 000< | 27dB | 001; | 42dB | 002: | 57dB | 0039 |
| 0 | 0000 | 15dB | 000? | 30dB | 001> | 45dB | 002= | 60dB | 003< |
| 3dB | 0003 | 18dB | 0012 | 33dB | 0021 | 48dB | 0030 | | |
| 6dB | 0006 | 21dB | 0015 | 36dB | 0024 | 51dB | 0033 | | |

Example: Set Mic 1 trim level to +42dB, on device number 6; **002:0301058006(**

Table for cccc parameter

| Sec | cccc | Sec | cccc | Sec | cccc | Sec | cccc | Sec | cccc |
|-------|------|-------|------|-------|------|-------|-------|-------|------|
| 0 | 0000 | 13 | 0034 | 26.26 | 0068 | 39.25 | 009< | 52.25 | 00=0 |
| .25 | 0001 | 13.25 | 0035 | 26.50 | 0069 | 39.50 | 009= | 52.50 | 00=1 |
| .50 | 0002 | 13.50 | 0036 | 26.75 | 006: | 39.75 | 009> | 52.75 | 00=2 |
| .75 | 0003 | 13.75 | 0037 | 27 | 006; | 40 | 009? | 53 | 00=3 |
| 1 | 0004 | 14 | 0038 | 27.25 | 006< | 40.25 | 00:0 | 53.25 | 00=4 |
| 1.25 | 0005 | 14.25 | 0039 | 27.50 | 006= | 40.50 | 00:1 | 53.50 | 00=5 |
| 1.50 | 0006 | 14.50 | 003: | 27.75 | 006> | 40.75 | 00:2 | 53.75 | 00=6 |
| 1.75 | 0007 | 14.75 | 003; | 28 | 006? | 41 | 00:3 | 54 | 00=7 |
| 2 | 0008 | 15 | 003< | 28.25 | 0070 | 41.25 | 00:4 | 54.25 | 00=8 |
| 2.25 | 0009 | 15.25 | 003= | 28.50 | 0071 | 41.50 | 00:5 | 54.50 | 00=9 |
| 2.50 | 000: | 15.50 | 003> | 28.75 | 0072 | 41.75 | 00:6 | 54.75 | 00=: |
| 2.75 | 000; | 15.75 | 003? | 29 | 0073 | 42 | 00:7 | 55 | 00=< |
| 3 | 000< | 16 | 0040 | 29.25 | 0074 | 42.25 | 00:8 | 55.25 | 00== |
| 3.25 | 000= | 16.25 | 0041 | 29.50 | 0075 | 42.50 | 00:9 | 55.50 | 00=> |
| 3.50 | 000> | 16.50 | 0042 | 29.75 | 0076 | 42.75 | 00:: | 55.75 | 00=? |
| 3.75 | 000? | 16.75 | 0043 | 30 | 0077 | 43 | 00:; | 56 | 00>0 |
| 4 | 0010 | 17 | 0044 | 30.25 | 0078 | 43.25 | 00:< | 56.25 | 00>1 |
| 4.25 | 0011 | 17.25 | 0045 | 30.50 | 0079 | 43.50 | 00:= | 56.50 | 00>2 |
| 4.50 | 0012 | 17.50 | 0046 | 30.75 | 007: | 43.75 | 00:> | 56.75 | 00>3 |
| 4.75 | 0013 | 18 | 0047 | 31 | 007; | 44 | 00:? | 57 | 00>4 |
| 5 | 0014 | 18.25 | 0048 | 31.25 | 007< | 44.25 | 00:0 | 57.25 | 00>5 |
| 5.25 | 0015 | 18.50 | 0049 | 31.50 | 007= | 44.50 | 00:1 | 57.50 | 00>6 |
| 5.50 | 0016 | 18.75 | 004: | 31.75 | 007> | 44.75 | 00:2 | 57.75 | 00>7 |
| 5.75 | 0017 | 19 | 004; | 32 | 007? | 45 | 00:3 | 58 | 00>8 |
| 6 | 0018 | 19.25 | 004< | 32.25 | 0080 | 45.25 | 00:4 | 58.25 | 00>9 |
| 6.25 | 0019 | 19.50 | 004= | 32.50 | 0081 | 45.50 | 00:5 | 58.50 | 00>: |
| 6.50 | 001: | 19.75 | 004> | 32.75 | 0082 | 45.75 | 00:6 | 58.75 | 00>; |
| 6.75 | 001; | 20 | 004? | 33 | 0083 | 46 | 00:7 | 59 | 00>< |
| 7 | 001< | 20.25 | 0050 | 33.25 | 0084 | 46.25 | 00:8 | 59.25 | 00>= |
| 7.25 | 001= | 20.50 | 0051 | 33.50 | 0085 | 46.50 | 00:9 | 59.50 | 00>> |
| 7.50 | 001> | 20.75 | 0052 | 33.75 | 0086 | 46.75 | 00:: | 59.75 | 00>? |
| 7.75 | 001? | 21 | 0053 | 34 | 0087 | 47 | 00:; | 60 | 00?0 |
| 8 | 0020 | 21.25 | 0054 | 34.25 | 0088 | 47.25 | 47.50 | 60.25 | 00?1 |
| 8.25 | 0021 | 21.50 | 0055 | 34.50 | 0089 | 47.50 | 00:= | 60.50 | 00?2 |
| 8.50 | 0022 | 21.75 | 0056 | 34.75 | 008: | 47.75 | 00:> | 60.75 | 00?3 |
| 8.75 | 0023 | 22 | 0057 | 35 | 008; | 48 | 00:? | 61 | 00?4 |
| 9 | 0024 | 22.25 | 0058 | 35.25 | 008< | 48.25 | 00<0 | 61.25 | 00?5 |
| 9.25 | 0025 | 22.50 | 0059 | 35.50 | 008= | 48.50 | 00<1 | 61.50 | 00?6 |
| 9.50 | 0026 | 22.75 | 005: | 35.75 | 008> | 48.75 | 00<2 | 61.75 | 00?7 |
| 9.75 | 0027 | 23 | 005; | 36 | 008? | 49 | 00<3 | 62 | 00?8 |
| 10 | 0028 | 23.25 | 005< | 36.25 | 0090 | 49.25 | 00<4 | 62.25 | 00?9 |
| 10.25 | 0029 | 23.50 | 005= | 36.50 | 0091 | 49.50 | 00<5 | 62.50 | 00?: |
| 10.50 | 002: | 23.75 | 005> | 36.75 | 0092 | 49.75 | 00<6 | 62.75 | 00?; |
| 10.75 | 002; | 24 | 005? | 37 | 0093 | 50 | 00<7 | 63 | 00?< |
| 11 | 002< | 24.25 | 0060 | 37.25 | 0094 | 50.25 | 00<8 | 63.25 | 00?= |
| 11.25 | 002= | 24.50 | 0061 | 37.50 | 0095 | 50.50 | 00<9 | 63.50 | 00?> |
| 11.50 | 002> | 24.75 | 0062 | 37.75 | 0096 | 50.75 | 00<: | 63.75 | 00?? |
| 11.75 | 002? | 25 | 0063 | 38 | 0097 | 51 | 00<; | | |
| 12 | 0030 | 25.25 | 0064 | 38.25 | 0098 | 51.25 | 00<< | | |
| 12.25 | 0031 | 25.50 | 0065 | 38.50 | 0099 | 51.50 | 00<= | | |
| 12.50 | 0032 | 25.75 | 0066 | 38.75 | 009: | 51.75 | 00<> | | |
| 12.75 | 0033 | 26 | 0067 | 39 | 009; | 52 | 00<? | | |

Example: Set hold time for page over ducking from Mic 2 to 3.5 seconds, on device #4; **000>0302128004(**

Table for dd parameter

| Device | Value |
|------------|-------|
| Device #0 | 00 |
| Device #1 | 01 |
| Device #2 | 02 |
| Device #3 | 03 |
| Device #4 | 04 |
| Device #5 | 05 |
| Device #6 | 06 |
| Device #7 | 07 |
| Device #8 | 08 |
| Device #9 | 09 |
| Device #10 | 0: |
| Device #11 | 0; |
| Device #12 | 0< |
| Device #13 | 0= |
| Device #14 | 0> |
| Device #15 | 0? |

| Device | Value |
|------------|-------|
| Device #16 | 10 |
| Device #17 | 11 |
| Device #18 | 12 |
| Device #19 | 13 |
| Device #20 | 14 |
| Device #21 | 15 |
| Device #22 | 16 |
| Device #23 | 17 |
| Device #24 | 18 |
| Device #25 | 19 |
| Device #26 | 1: |
| Device #27 | 1; |
| Device #28 | 1< |
| Device #29 | 1= |
| Device #30 | 1> |
| Device #31 | 1? |

| Device | Value |
|------------|-------|
| Device #32 | 20 |
| Device #33 | 21 |
| Device #34 | 22 |
| Device #35 | 23 |
| Device #36 | 24 |
| Device #37 | 25 |
| Device #38 | 26 |
| Device #39 | 27 |
| Device #40 | 28 |
| Device #41 | 29 |
| Device #42 | 2: |
| Device #43 | 2; |
| Device #44 | 2< |
| Device #45 | 2= |
| Device #46 | 2> |
| Device #47 | 2? |

| Device | Value |
|------------|-------|
| Device #48 | 30 |
| Device #49 | 31 |
| Device #50 | 32 |
| Device #51 | 33 |
| Device #52 | 34 |
| Device #53 | 35 |
| Device #54 | 36 |
| Device #55 | 37 |
| Device #56 | 38 |
| Device #57 | 39 |
| Device #58 | 3: |
| Device #59 | 3; |
| Device #60 | 3< |
| Device #61 | 3= |
| Device #62 | 3> |
| Device #63 | 3? |

Table for eeee Parameter

| Button # | eeee |
|------------|------|
| No Action | 0000 |
| Button #1 | 0001 |
| Button #2 | 0002 |
| Button #3 | 0003 |
| Button #4 | 0004 |
| Button #5 | 0005 |
| Button #6 | 0006 |
| Button #7 | 0007 |
| Button #8 | 0008 |
| Button #9 | 0009 |
| Button #10 | 000: |
| Button #11 | 000; |
| Button #12 | 000< |
| Button #13 | 000= |
| Button #14 | 000> |
| Button #15 | 000? |
| Button #16 | 0010 |
| Button #17 | 0011 |
| Button #18 | 0012 |
| Button #19 | 0013 |
| Button #20 | 0014 |

| Button # | eeee |
|-------------|------|
| Button # 21 | 0015 |
| Button #22 | 0016 |
| Button #23 | 0017 |
| Button #24 | 0018 |
| Button #25 | 0019 |
| Button #26 | 001: |
| Button #27 | 001; |
| Button #28 | 001< |
| Button #29 | 001= |
| Button #30 | 001> |
| Button #31 | 001? |
| Button #32 | 0020 |
| Button #33 | 0021 |
| Button #34 | 0022 |
| Button #35 | 0023 |
| Button #36 | 0024 |
| Button #37 | 0025 |
| Button #38 | 0026 |
| Button #39 | 0027 |
| Button #40 | 0028 |
| | |

Example: perform button number 40, on device number 10; **0028060107800:(**

Table for gggg parameter

| dB | gggg | dB | gggg | dB | gggg | dB | gggg | dB | gggg |
|------|------|------|------|------|------|------|------|------|------|
| 0dB | 0000 | 18dB | 0012 | 36dB | 0024 | 54dB | 0036 | 72dB | 0048 |
| 2dB | 0002 | 20dB | 0014 | 38dB | 0026 | 56dB | 0038 | 74dB | 004: |
| 4dB | 0004 | 22dB | 0016 | 40dB | 0028 | 58dB | 003: | 76dB | 004< |
| 6dB | 0006 | 24dB | 0018 | 42dB | 002: | 60dB | 003< | 78dB | 004> |
| 8dB | 0008 | 26dB | 001: | 44dB | 002< | 62dB | 003> | 80dB | 0050 |
| 10dB | 000: | 28dB | 001< | 46dB | 002> | 64dB | 0040 | | |
| 12dB | 000< | 30dB | 001> | 48dB | 0030 | 66dB | 0042 | | |
| 14dB | 000> | 32dB | 0020 | 50dB | 0032 | 68dB | 0044 | | |
| 16dB | 0010 | 34dB | 0022 | 52dB | 0034 | 70dB | 0046 | | |

Example: Set page over ducking amount to 52dB from mic 1 on device number 2; **003404010=8002**(

Table for hhhh parameter

| dB/sec | hhhh | dB/sec | hhhh | dB/sec | hhhh | dB/sec | hhhh | dB/sec | hhhh |
|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 1dB | 0001 | 41dB | 0029 | 81dB | 0051 | 121dB | 0079 | 161dB | 00:1 |
| 2dB | 0002 | 42dB | 002: | 82dB | 0052 | 122dB | 007: | 162dB | 00:2 |
| 3dB | 0003 | 43dB | 002; | 83dB | 0053 | 123dB | 007; | 163dB | 00:3 |
| 4dB | 0004 | 44dB | 002< | 84dB | 0054 | 124dB | 007< | 164dB | 00:4 |
| 5dB | 0005 | 45dB | 002= | 85dB | 0055 | 125dB | 007= | 165dB | 00:5 |
| 6dB | 0006 | 46dB | 002> | 86dB | 0056 | 126dB | 007> | 166dB | 00:6 |
| 7dB | 0007 | 47dB | 002? | 87dB | 0057 | 127dB | 007? | 167dB | 00:7 |
| 8dB | 0008 | 48dB | 0030 | 88dB | 0058 | 128dB | 0080 | 168dB | 00:8 |
| 9dB | 0009 | 49dB | 0031 | 89dB | 0059 | 129dB | 0081 | 169dB | 00:9 |
| 10dB | 000: | 50dB | 0032 | 90dB | 005: | 130dB | 0082 | 170dB | 00:: |
| 11dB | 000; | 51dB | 0033 | 91dB | 005; | 131dB | 0083 | 171dB | 00;; |
| 12dB | 000< | 52dB | 0034 | 92dB | 005< | 132dB | 0084 | 172dB | 00:< |
| 13dB | 000= | 53dB | 0035 | 93dB | 005= | 133dB | 0085 | 173dB | 00:= |
| 14dB | 000> | 54dB | 0036 | 94dB | 005> | 134dB | 0086 | 174dB | 00:> |
| 15dB | 000? | 55dB | 0037 | 95dB | 005? | 135dB | 0087 | 175dB | 00:? |
| 16dB | 0010 | 56dB | 0038 | 96dB | 0060 | 135dB | 0088 | 176dB | 00;0 |
| 17dB | 0011 | 57dB | 0039 | 97dB | 0061 | 137dB | 0089 | 177dB | 00;1 |
| 18dB | 0012 | 58dB | 003: | 98dB | 0062 | 138dB | 008: | 178dB | 000;2 |
| 19dB | 0013 | 59dB | 003; | 99dB | 0063 | 138dB | 008; | 179dB | 00;3 |
| 20dB | 0014 | 60dB | 003< | 100dB | 0064 | 140dB | 008< | 180dB | 00;4 |
| 21dB | 0015 | 61dB | 003= | 101dB | 0065 | 141dB | 008= | 181dB | 00;5 |
| 22dB | 0016 | 62dB | 003> | 102dB | 0066 | 142dB | 008> | 182dB | 00;6 |
| 23dB | 0017 | 63dB | 003? | 103dB | 0067 | 143dB | 008? | 183dB | 00;7 |
| 24dB | 0018 | 64dB | 0040 | 104dB | 0068 | 144dB | 0090 | 184dB | 00;8 |
| 25dB | 0019 | 65dB | 0041 | 105dB | 0069 | 145dB | 0091 | 185dB | 00;9 |
| 26dB | 001: | 66dB | 0042 | 106dB | 006: | 146dB | 0092 | 186dB | 00;; |
| 27dB | 001; | 67dB | 0043 | 107dB | 006; | 147dB | 0093 | 187dB | 00;; |
| 28dB | 001< | 68dB | 0044 | 108dB | 006< | 148dB | 0094 | 188dB | 00;< |
| 29dB | 001= | 69dB | 0045 | 109dB | 006= | 149dB | 0095 | 189dB | 00;= |
| 30dB | 001> | 70dB | 0046 | 110dB | 006> | 150dB | 0096 | 190dB | 00;> |
| 31dB | 001? | 71dB | 0047 | 111dB | 006? | 151dB | 0097 | 191dB | 00;? |
| 32dB | 0020 | 72dB | 0048 | 112dB | 0070 | 152dB | 0098 | 192dB | 00<0 |
| 33dB | 0021 | 73dB | 0049 | 113dB | 0071 | 153dB | 0099 | 193dB | 00<1 |
| 34dB | 0022 | 74dB | 004: | 114dB | 0072 | 154dB | 009: | 194dB | 00<2 |
| 35dB | 0023 | 75dB | 004; | 115dB | 0073 | 155dB | 009; | 195dB | 00<3 |
| 36dB | 0024 | 76dB | 004< | 116dB | 0074 | 156dB | 009< | 196dB | 00<4 |
| 37dB | 0025 | 77dB | 004= | 117dB | 0075 | 157dB | 009= | 197dB | 00<5 |
| 38dB | 0026 | 78dB | 004> | 118dB | 0076 | 158dB | 009> | 198dB | 00<6 |
| 39dB | 0027 | 79dB | 004? | 119dB | 0077 | 159dB | 009? | 199dB | 00<7 |
| 40dB | 0028 | 80dB | 0050 | 120dB | 0078 | 160dB | 00:0 | 200dB | 00<8 |

Example: Set page over ducking rate to 10dB/sec on Mic 1 device number 2; **000:04010>8002**(

Table for jjjj parameter

| Preset | jjjj |
|-----------|------|
| Preset #1 | 0001 |
| Preset #2 | 0002 |
| Preset #3 | 0003 |
| Preset #4 | 0004 |
| Preset #5 | 0005 |
| Preset #6 | 0006 |
| Preset #7 | 0007 |
| Preset #8 | 0008 |

| Preset | jjjj |
|------------|------|
| Preset #9 | 0009 |
| Preset #10 | 000: |
| Preset #11 | 000; |
| Preset #12 | 000< |
| Preset #13 | 000= |
| Preset #14 | 000> |
| Preset #15 | 000? |
| Preset #16 | 0010 |

Example: Recall preset 4 on device number 7; **00040601048007(**

Table for kkkk parameter

| dB | kkkk | dB | kkkk | dB | kkkk | dB | kkkk | dB | kkkk |
|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| +18dB | 0012 | -6dB | ???: | -30dB | ??>2 | -54dB | ??<: | -78dB | ??;2 |
| +17dB | 0011 | -7dB | ???:9 | -31dB | ??>1 | -55dB | ??<9 | -79dB | ??;1 |
| +16dB | 0010 | -8dB | ???:8 | -32dB | ??>0 | -56dB | ??<8 | -80dB | ??;0 |
| +15dB | 000? | -9dB | ???:7 | -33dB | ??=? | -57dB | ??<7 | -81dB | ??;? |
| +14dB | 000> | -10dB | ???:6 | -34dB | ??=> | -58dB | ??<6 | -82dB | ??;> |
| +13dB | 000= | -11dB | ???:5 | -35dB | ??== | -59dB | ??<5 | -83dB | ??;= |
| +12dB | 000< | -12dB | ???:4 | -36dB | ??=< | -60dB | ??<4 | -84dB | ??;< |
| +11dB | 000; | -13dB | ???:3 | -37dB | ??=; | -61dB | ??<3 | -85dB | ??;; |
| +10dB | 000: | -14dB | ???:2 | -38dB | ??=: | -62dB | ??<2 | -86dB | ??:: |
| +9dB | 0009 | -15dB | ???:1 | -39dB | ??=9 | -63dB | ??<1 | -87dB | ??;9 |
| +8dB | 0008 | -16dB | ???:0 | -40dB | ??=8 | -64dB | ??<0 | -88dB | ??;8 |
| +7dB | 0007 | -17dB | ???:? | -41dB | ??=7 | -65dB | ??;? | -89dB | ??;7 |
| +6dB | 0006 | -18dB | ???:> | -42dB | ??=6 | -66dB | ??;> | -90dB | ??;6 |
| +5dB | 0005 | -19dB | ???:= | -43dB | ??=5 | -67dB | 00;= | -91dB | ??;5 |
| +4dB | 0004 | -20dB | ???:< | -44dB | ??=4 | -68dB | ??;< | -92dB | ??;4 |
| +3dB | 0003 | -21dB | ???:; | -45dB | ??=3 | -69dB | ??;; | -93dB | ??;3 |
| +2dB | 0002 | -22dB | ???:: | -46dB | ??=2 | -70dB | ??:: | -94dB | ??;2 |
| +1dB | 0001 | -23dB | ???:9 | -47dB | ??=1 | -71dB | ??;9 | -95dB | ??;1 |
| 0dB | 0000 | -24dB | ???:8 | -48dB | ??=0 | -72dB | ??;8 | -96dB | ??;0 |
| -1dB | ???? | -25dB | ???:7 | -49dB | ??<? | -73dB | ??;7 | -97dB | ??;? |
| -2dB | ???:> | -26dB | ???:6 | -50dB | ??<> | -74dB | ??;6 | -98dB | ??;> |
| -3dB | ???:= | -27dB | ???:5 | -51dB | ??<= | -75dB | ??;5 | -99dB | ??;= |
| -4dB | ???:< | -28dB | ???:4 | -52dB | ??<< | -76dB | ??;4 | | |
| -5dB | ???:; | -29dB | ???:3 | -53dB | ??<; | -77dB | ??;3 | | |

Example: If the command '000004020;8001' is sent out (requesting output level for Zone Output), the response might be **0007[CR]** This means the output level on the Zone is +7dB.

Table for nnnn parameter

| Main | Zone | Mic 1 Main | Mic 1 Zone | Mic 2 Main | Mic 2 Zone | nnnn |
|------|------|------------|------------|------------|------------|-------|
| | | | | | | 0000 |
| | | | | | X | 0008 |
| | | | | X | | 0004 |
| | | | | X | X | 000<: |
| | | | X | | | 0002 |
| | | | X | | X | 000: |
| | | | X | X | | 0006 |
| | | | X | X | X | 000> |
| | | X | | | | 0001 |
| | | X | | | X | 0009 |
| | | X | | X | | 0005 |
| | | X | | X | X | 000= |
| | | X | X | | | 0003 |
| | | X | X | | X | 000; |
| | | X | X | X | | 0008 |
| | | X | X | X | X | 000? |
| | X | | | | | 00<0 |
| | X | | | | X | 00<8 |
| | X | | | X | | 00<4 |
| | X | | | X | X | 00<< |
| | X | | X | | | 00<2 |
| | X | | X | | X | 00<: |
| | X | | X | X | | 00<6 |
| | X | | X | X | X | 00<> |
| | X | X | | | | 00<1 |
| | X | X | | | X | 00<9 |
| | X | X | | X | | 00<5 |
| | X | X | | X | X | 00<= |
| | X | X | X | | | 00<3 |
| | X | X | X | | X | 00<; |
| | X | X | X | X | | 00<7 |
| | X | X | X | X | X | 00<? |
| X | | | | | | 0030 |
| X | | | | | X | 0038 |
| X | | | | X | | 0034 |
| X | | | | X | X | 003< |
| X | | | X | | | 0032 |
| X | | | X | | X | 003: |
| X | | | X | X | | 0036 |
| X | | | X | X | X | 003> |
| X | | X | | | | 0031 |
| X | | X | | | X | 0039 |
| X | | X | | X | | 0035 |
| X | | X | | X | X | 003= |
| X | | X | X | | | 004; |
| X | | X | X | | X | 003; |
| X | | X | X | X | | 004? |
| X | | X | X | X | X | 003? |
| X | X | | | | | 00?1 |
| X | X | | | | X | 00?9 |
| X | X | | | X | | 00?4 |
| X | X | | | X | X | 00?< |
| X | X | | X | | | 00?2 |
| X | X | | X | | X | 00?: |
| X | X | | X | X | | 00?6 |
| X | X | | X | X | X | 00?> |
| X | X | X | | | | 00?1 |
| X | X | X | | | X | 00?9 |
| X | X | X | | X | | 00?5 |
| X | X | X | | X | X | 00?= |
| X | X | X | X | | | 00?3 |
| X | X | X | X | | X | 00?; |
| X | X | X | X | X | | 00?7 |
| X | X | X | X | X | X | 00?? |

Example: On device number 4, to enable the signal from Mic2 to the main, and the Zone Mix, the command would be; **00<404030<8004(**

ASCII Code Chart

ls

| | | | | | | | |
|-------------------------|-------------------------|---|--|--------------------------------------|------------------------------------|--------------------------------------|---|
| 000. 0x00 NUL | 016. 0x10 DLE | 032. 0x20 (space) | 048. 0x30 0 nibble 0x0 | 064. 0x40 @ repeat code | 080. 0x50 P button 15 | 096. 0x60 ` button 31 | 112. 0x70 p select 1,3 |
| 001. 0x01 SOH | 017. 0x11 DC1 | 033. 0x21 ! vol limits | 049. 0x31 1 nibble 0x1 | 065. 0x41 A | 081. 0x51 Q button 16 | 097. 0x61 a | 113. 0x71 q select 2,3 |
| 002. 0x02 STX | 018. 0x12 DC2 | 034. 0x22 " do-button | 050. 0x32 2 nibble 0x2 | 066. 0x42 B button 01 | 082. 0x52 R button 17 | 098. 0x62 b button 32 | 114. 0x72 r select 1,2,3 |
| 003. 0x03 ETX | 019. 0x13 DC3 | 035. 0x23 # do-volume | 051. 0x33 3 nibble 0x3 | 067. 0x43 C button 02 | 083. 0x53 S button 18 | 099. 0x63 c button 33 | 115. 0x73 s select 4 |
| 004. 0x04 EOT | 020. 0x14 DC4 | 036. 0x24 \$ define-preset | 052. 0x34 4 nibble 0x4 | 068. 0x44 D button 03 | 084. 0x54 T button 19 | 100. 0x64 d button 34 | 116. 0x74 t select 1,4 |
| 005. 0x05 ENQ | 021. 0x15 NAK | 037. 0x25 % get-preset | 053. 0x35 5 nibble 0x5 | 069. 0x45 E button 04 | 085. 0x55 U button 20 | 101. 0x65 e button 35 | 117. 0x75 u select 2,4 |
| 006. 0x06 ACK | 022. 0x16 SYN | 038. 0x26 & get/set-volume | 054. 0x36 6 nibble 0x6 | 070. 0x46 F button 05 | 086. 0x56 V button 21 | 102. 0x66 f button 36 | 118. 0x76 v select 1,2,4 |
| 007. 0x07 BEL | 023. 0x17 ETB | 039. 0x27 ' | 055. 0x37 7 nibble 0x7 | 071. 0x47 G button 06 | 087. 0x57 W button 22 | 103. 0x67 g button 37 | 119. 0x77 w select 3,4 |
| 008. 0x08 BS | 024. 0x18 CAN | 040. 0x28 (do-logic | 056. 0x38 8 nibble 0x8 | 072. 0x48 H button 07 | 088. 0x58 X button 23 | 104. 0x68 h button 38 | 120. 0x78 x select 1,3,4 |
| 009. 0x09 HT | 025. 0x19 EM | 041. 0x29) do-preset | 057. 0x39 9 nibble 0x9 | 073. 0x49 I button 08 | 089. 0x59 Y button 24 | 105. 0x69 i button 39 | 121. 0x79 y select 2,3,4 |
| 010. 0x0A LF | 026. 0x1A SUB | 042. 0x2A * get-status | 058. 0x3A : nibble 0xA | 074. 0x4A J button 09 | 090. 0x5A Z button 25 | 106. 0x6A j button 40 | 122. 0x7A z select 1,2,3,4 |
| 011. 0x0B VT | 027. 0x1B ESC | 043. 0x2B + sleep 10 sec. | 059. 0x3B ; nibble 0xB | 075. 0x4B K button 10 | 091. 0x5B [button 26 | 107. 0x6B k select none | 123. 0x7B { |
| 012. 0x0C FF | 028. 0x1C FS | 044. 0x2C , read memory | 060. 0x3C < nibble 0xC | 076. 0x4C L button 11 | 092. 0x5C \ button 27 | 108. 0x6C l select 1 | 124. 0x7C |
| 013. 0x0D CR | 029. 0x1D GS | 045. 0x2D - write memory | 061. 0x3D = nibble 0xD | 077. 0x4D M button 12 | 093. 0x5D] button 28 | 109. 0x6D m select 2 | 125. 0x7D } |
| 014. 0x0E SO | 030. 0x1E RS | 046. 0x2E . set defaults | 062. 0x3E > nibble 0xE | 078. 0x4E N button 13 | 094. 0x5E ^ button 29 | 110. 0x6E n select 1,2 | 126. 0x7E ~ |
| 015. 0x0F SI | 031. 0x1F US | 047. 0x2F / get version | 063. 0x3F ? nibble 0xF | 079. 0x4F O button 14 | 095. 0x5F _ button 30 | 111. 0x6F o select 3 | 127. 0x7F DEL |