

## Models: AMD100 and AMD200

### Device Type: Mixer

GENERAL INFORMATION	
<b>SIMPLWINDOWS NAME:</b>	AMD00 v1.1
<b>CATEGORY:</b>	Mixer
<b>VERSION:</b>	1.1
<b>SUMMARY:</b>	This module controls all of the functions of an Australian Monitor AMD100 or AMD200 mixer amplifier.
<b>GENERAL NOTES:</b>	This module controls all of the functions of an Australian Monitor AMD100 or AMD200 mixer amplifier. True feedback is provided for all functions.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-* OR CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS485 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	None

## CONTROL

<b>AMDX00_RX\$</b>	S	Serial signal to be routed from a 2-way serial port.
<b>BGM_OFF</b>	D	Pulse to turn off the Stereo BGM.
<b>BGM_Input_*</b>	D	Pulse to select the desired Stereo BGM input.
<b>BGM_Input</b>	A	Sets the Stereo BGM input to the corresponding value. Valid Range: 0d (Off) to 4d
<b>GreenMode_On</b>	D	Pulse to turn Green mode on.
<b>GreenMode_Off</b>	D	Pulse to turn Green mode off.
<b>Mic/Line*_Vol+/Vol-</b>	D	Press and hold to adjust the selected Mic/Line input's volume up or down.
<b>Mic/Line*_MuteToggle/On/Off</b>	D	Pulse to mute/unmute the selected Mic/Line input.
<b>BGM_Vol+/Vol-</b>	D	Press and hold to adjust the Stereo BGM volume up or down.
<b>BGM_MuteToggle/On/Off</b>	D	Pulse to mute/unmute the Stereo BGM's audio.
<b>Bass_Level+/Level-</b>	D	Press and hold to adjust the Bass level up or down.
<b>Bass_BypassToggle/On/Off</b>	D	Pulse to turn on/off the Bass bypass.
<b>Treble_Level+/Level-</b>	D	Press and hold to adjust the Treble level up or down.
<b>Treble_BypassToggle/On/Off</b>	D	Pulse to turn on/off the Treble bypass.
<b>Master_Vol+/Vol-</b>	D	Press and hold to adjust the selected Master volume up or down.
<b>Master_MuteToggle/On/Off</b>	D	Pulse to mute/unmute the Master audio.
<b>Mic/Line*_Level%</b>	A	Mic/Line1 - 4(AMD100) or 8(AMD200) level input. 0-100% This input can be tied to a slider object. 0% = Mic/Line* Min Parameter, 100% = Mic/Line* Max Parameter.
<b>BGM_Level%</b>	A	Stereo BGM level input. 0-100% This input can be tied to a slider object. 0% = BGM Min Parameter, 100% = BGM Max Parameter.
<b>Bass_Level%</b>	A	Bass level input. 0-100% This input can be tied to a slider object. 0% = -10dB, 100% = +10dB
<b>Treble_Level%</b>	A	Treble level input. 0-100% This input can be tied to a slider object. 0% = -10dB, 100% = +10dB
<b>Master_Level%</b>	A	Master level input. 0-100% This input can be tied to a slider object. 0% = Master Min Parameter, 100% = Master Max Parameter.

<b>Mic/Line*_Level_Absolute</b>	A	Mic/Line1 - 4(AMD100) or 8(AMD200) absolute level input. 0d-225d (unscaled). Bypasses Min/Max Level parameters. 0d = -100dB, 225d = +12dB, 201d = 0dB. Out of range values will be ignored. Use the "Absolute" Inputs for presets.
<b>BGM_Level_Absolute</b>	A	Stereo BGM absolute level input. 0d-225d (unscaled). Bypasses Min/Max Level parameters. 0d = -100dB, 225d = +12dB, 201d = 0dB. Out of range values will be ignored. Use the "Absolute" Inputs for presets.
<b>Bass_Level_Absolute</b>	A	Bass absolute level input. 0d-20d (unscaled) 0d = -10dB, 20d = +10dB, 10d = 0dB. Out of range values will be ignored. Use the "Absolute" Inputs for presets.
<b>Treble_Level_Absolute</b>	A	Treble absolute level input. 0d-20d (unscaled) 0d = -10dB, 20d = +10dB, 10d = 0dB. Out of range values will be ignored. Use the "Absolute" Inputs for presets.
<b>Master_Level_Absolute</b>	A	Master absolute level input. 0d-225d (unscaled). Bypasses Min/Max Level parameters. 0d = -100dB, 225d = +12dB, 201d = 0dB. Out of range values will be ignored. Use the "Absolute" Inputs for presets.

## FEEDBACK

<b>AMD100_TX\$</b>	S	Serial signal to be routed from a 2-way serial port.
<b>BGM_OFF_FB</b>	D	Feedback indicating Stereo BGM in OFF position
<b>BGM_Input_*_FB</b>	D	Feedback indicating current Stereo BGM Source.
<b>BGM_Input_FB</b>	A	Feedback indicating current Stereo BGM Source. Valid Range: 0d (Off) to 4d
<b>GreenMode_On_FB</b>	D	Feedback indicating Green mode on.
<b>GreenMode_Off_FB</b>	D	Feedback indicating Green mode off.
<b>Mic/Line*Mute/On/Off_FB</b>	D	Feedback indicating Mute On/Off for Mic/Line*
<b>BGM_Mute/On/Off_FB</b>	D	Feedback indicating Mute On/Off for Stereo BGM's audio.
<b>Bass_Bypass/On/Off_FB</b>	D	Feedback indicating Bass bypass.
<b>Treble_Bypass/On/Off_FB</b>	D	Feedback indicating Treble bypass.
<b>Master_Mute/On/Off_FB</b>	D	Feedback indicating Mute On/Off for Master audio.
<b>Mic/Line*_Level%_FB</b>	A	Mic/Line1 - 4(AMD100) or 8(AMD200) level FB. 0-100% This input can be tied to a slider object or Bargraph 0% = Mic/Line* Min Parameter, 100% = Mic/Line* Max Parameter.
<b>BGM_Level%_FB</b>	A	Stereo BGM level FB. 0-100% This input can be tied to a slider object or Bargraph
<b>Bass_Level%_FB</b>	A	Bass level FB. 0-100% This input can be tied to a slider object or Bargraph 0% = -10dB, 100% = +10dB
<b>Treble_Level%_FB</b>	A	Treble level FB. 0-100% This input can be tied to a slider object or Bargraph 0% = -10dB, 100% = +10dB
<b>Master_Level%_FB</b>	A	Master level FB. 0-100% This input can be tied to a slider object or Bargraph 0% = Master Min Parameter, 100% = Master Max Parameter.
<b>Mic/Line*_Level_Absolute_FB</b>	A	Mic/Line1 - 4(AMD100) or 8(AMD200) absolute level FB. 0d-225d (unscaled). 0d = -100dB, 225d = +12dB, 201d = 0dB.
<b>BGM_Level_Absolute_FB</b>	A	Stereo BGM absolute level FB. 0d-225d (unscaled). 0d = -100dB, 225d = +12dB, 201d = 0dB.

<b>Bass_Level_Absolute_FB</b>	A	Bass absolute level FB. 0d-20d (unscaled) 0d = -10dB, 20d = +10dB, 10d = 0dB.
<b>Treble_Level_Absolute_FB</b>	A	Treble absolute level FB. 0d-20d (unscaled) 0d = -10dB, 20d = +10dB, 10d = 0dB.
<b>Master_Level_Absolute_FB</b>	A	Master absolute level FB. 0d-225d (unscaled) 0d = -100dB, 225d = +12dB, 201d = 0dB.
<b>PowerAmp_Running</b>	D	Indicates the power amplifier is in running state. PollAmpStatus? Parameter must be "Yes" for this to function.
<b>PowerAmp_ThermalShutdown</b>	D	Indicates the power amplifier is in a thermal shutdown state. PollAmpStatus? Parameter must be "Yes" for this to function.
<b>PowerAmp_FaultShutdown</b>	A	Indicated the power amplifier is in a fault shutdown state. PollAmpStatus? Parameter must be "Yes" for this to function.

## PARAMETERS

<b>BGM_Sel_Disables_GreenMode?</b>	Y/N	If Yes, When a BGM Source is selected, the AMDX00 will restore from Green Mode if set.
<b>BGM_Off_Enabled_GreenMode?</b>	Y/N	If Yes, When BGM Source is set to off, the AMDX00 will be set to Green Mode.
<b>LevelInput_Disables_GreenMode?</b>	Y/N	If Yes, When a level greater than the minimum level is sent or received, the AMDX00 will restore from Green Mode if set.
<b>AllLevelsMin_Enabled_GreenMode?</b>	Y/N	If Yes, When all input levels are at or below the minimum level (with the exception of the Bass and Treble filters), the AMDX00 will be set to Green Mode.
<b>Mic/Line*/BGM/Master_Max</b>	List	Sets the maximum level that the slider, bargraph or Vol+/- will reach. List from -87dB to +12dB
<b>Mic/Line*/BGM/Master_Min</b>	List	Sets the minimum level that the slider, bargraph or Vol+/- will reach. List from -87dB to +12dB
<b>Mic/Line*/BGM/Master_LevelUnmutes?</b>	Y/N	If Yes, When a level greater than minimum level is sent or received, the AMDX00 will unmute that input.
<b>Mic/Line*/BGM/Master_MinLevelMutes?</b>	Y/N	If Yes, When a level at or below than minimum level is sent or received, the AMDX00 will mute that input.
<b>PollAmpStatus?</b>	Y/N	If Yes, the Power Amp status will be periodically polled, otherwise the amplifier status is only known upon startup.