

## Yamaha DM1000

### Requirements

- Large Audio Mixer Interface Software Option
- SMC Serial to MIDI Converter
- MIDI Interface Cables (x2)
- Serial Interface Cables (DB9 to DB9)

### Port Connections

	Switcher		SMC
<b>Serial Connection</b>	REMOTE Port (female)	⇒	SERIAL Port (female)
	SMC		Audio Mixer
<b>MIDI Connection</b>	MIDI Out	⇒	MIDI In
	MIDI In	⇒	MIDI Out

### Cable Connectors

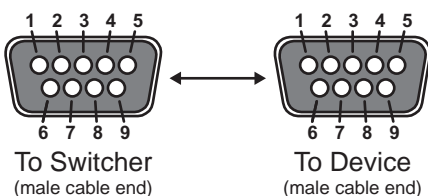


Figure 1 DB9 to DB9 Cable

### Pinouts

Switcher	SMC
2 (Rx-)	2 (Tx-)
3 (Tx+)	3 (Rx+)
7 (Rx+)	7 (Tx+)
8 (Tx-)	8 (Rx-)

### Switcher Setup

#### To Set Up Communications

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **Type**.
  - Use the **Com Port** knob to select the **Remote X** port that you connected the SMC to.
  - Use the **Device** knob to select **Audio Mixer**.

2. Press **Select Device**.
  - Use the **Device** knob to select **Ya DM1000**.
3. Press **Com Type**.
  - Use the **Type** knob to select **RS-422**.
4. Press **Com Settings**.
  - Use the **Baud** knob to select **38400**.
  - Use the **Parity** knob to select **NONE**.
5. Press **Extra Options**.

Extra Options	Value
Converter	SMC
Mixers (ganged together)	1 (default)
Version (of DM1000)	1 (default)
Post-fade delay	5 (default)

6. Press **HOME** ⇒ **Confirm**.

#### To Assign Audio Channels to BNCs

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **BNC** ⇒ **Audio**.
2. Use the **BNC** knob to select the Input BNC that you want to assign an audio channel to.
3. Use the **Audio 1** knob to select an audio channel, or group, that you want to assign to the selected Input BNC.
4. Use the **Audio 2** knob to select another audio channel, or group, that you want to assign to the selected Input BNC.
5. Press **HOME** ⇒ **Confirm**.

Refer to your switcher manual for information on creating audio groups, or setting default audio levels.

### Device Setup

1. Press the **SETUP** function button in the **Display Access Group** to display the **SETUP Menu**.
2. Press the **MIDI/HOST** tab to display the **MIDI/HOST SETUP Menu**.
3. Use the **Cursor** buttons to navigate to the following (you will have to press **ENTER** after each selection):
  - **TO SERIAL HOST**- Use the Parameter Dial to set this to **PC-2**.

**Note:** If you are ganging multiple Audio Mixers, you must set the Rx PORT and Tx PORT values to MIDI, to connect.

- Rx PORT - Use the Parameter Dial to set this to MIDI.
- Tx PORT - Use the parameter Dial to set this to MIDI.



4. Press the MIDI function button in the **Display Access Group** to display the MIDI Menu.
5. Press the **SETUP** tab to display the **MIDI SETUP Menu**.

6. Use the **Cursor** buttons to navigate to the **RECEIVE Section** and set the following:

**Note:** If you are ganging multiple Audio Mixers, you will have to set the second Audio Mixer to Channel 2.

	Tx	Rx	Omni	Echo	Value
Channel	1	1	--	--	--
Program Change	ON	ON	OFF	OFF	--
Control Change	OFF	OFF	--	OFF	--
Param Change	ON	ON	--	OFF	--
Bulk	--	OFF	--	--	--
Other Commands	--	--	--	OFF	--
Fader Resolution	--	--	--	--	LOW

## Compatibility

Audio Mixer	Version
Yamaha DM1000	--
Switchers	
Synergy 1 SD	16.0 or higher
Synergy Series SD	18.0 or higher
Synergy MD/X	9.1 or higher
Vision MD/X	9.0 or higher
Vision QMD/X	9.0 or higher
Vision MultiPanel Support	--
Automation	
OverDrive	8.0 or higher
Port Expanders	
BSS4	✓
Control DeviceMaster	✓