

## Yamaha PM5D

### 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

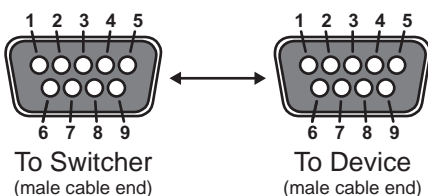


Figure 1 DB9 to DB9 Cable

### 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 PM5D**.
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 PM5D)	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 **MIDI/Remote** function button in the **Display Access Group** to display the **MIDI/Remote Menu**.
2. Press the **MIDI/Remote** function button to display the **MIDI SETUP** Screen.
3. In the **MIDI Port** row of the **MIDI SETUP** Screen, select the following values, pressing **ENTER** after each selection:
  - In the **Tx** column - Use the **Track Pad** buttons to set this field to **MIDI**.
  - In the **Rx** column - Use the **Track Pad** buttons to set this field to **MIDI**.



4. In the **Single Mode MIDI CH** row of the **MIDI SETUP Screen**, select the following values, pressing **ENTER** after each selection:

- In the Tx column - Use the **Track Pad** buttons to set this to **1**.
- In the Rx column - Use the **Track Pad** buttons to set this to **1**.

**Note:** If you are ganging multiple Audio Mixers, you will have to set the second Audio Mixer to Tx CH 2 and Rx CH 2. You will also need to set the MIDI Thru value to MIDI in the Rx Column for all the Audio Mixers you are connecting.

- Use the following table to set the indicated parameters:

Setting	Tx	Rx	ECHO
Program Change	ON	ON	OFF
Control Change	OFF	OFF	--
Param Change	ON	ON	OFF
Bulk	--	OFF	--
Other Commands	--	--	OFF

## Compatibility

Audio Mixer	Version
Yamaha PM5D	1 and 2
<b>Switchers</b>	
Synergy 1 SD	--
Synergy Series SD	18.0 or higher
Synergy MD/X	8.2 or higher
Vision MD/X	8.2 or higher
Vision QMD/X	8.2 or higher
Vision MultiPanel Support	--
<b>Automation</b>	
OverDrive	7.0 or higher
<b>Port Expanders</b>	
BSS4	✓
Control DeviceMaster	✓



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