

Yamaha LS9-16

Requirements

- Large Audio Mixer Interface Software Option
- MIDlator Serial to MIDI Converter
- MIDI Interface Cables (x2)
- Serial Interface Cable (DB9 to DB25)

Port Connections

	Switcher		MIDlator
Serial Connection	REMOTE Port (DB9 female)	⇒	SERIAL Port (DB25 female)
	MIDlator		Audio Mixer
MIDI Connection	MIDI Out	⇒	MIDI In
	MIDI In	⇒	MIDI Out

Cable Connectors

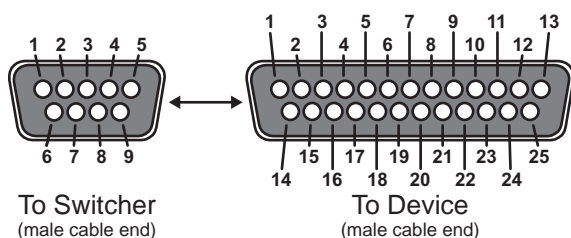


Figure 1 DB9 to DB25 Cable

Pinouts

Switcher	MIDlator
2 (Tx)	3 (Rx)
3 (Rx)	2 (Tx)
5 (Ground)	5 (Ground)

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 MIDlator to.
 - Use the **Device** knob to select **Audio Mixer**.

2. Press **Select Device**.
 - Use the **Device** knob to select **Ya LS9-16**.
3. Press **Com Type**.
 - Use the **Type** knob to select **RS-232** (**RS-232 NULL** on the **Synergy 1**).
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	MIDlator
Mixers (ganged together)	1 (default)
Version (of LS9-16)	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** until the **MISC SETUP** tab is displayed.
2. Use the **Cursor** buttons to select **MIDI SETUP** and press **ENTER** to display the **MIDI SETUP** menu.
3. Use the **Cursor** buttons to set the following (you will have to press **ENTER** after each selection):

Setting	Tx	Rx	ECHO
Port	MIDI	MIDI	--
CH	1	1	--

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

4. Use the **Cursor** buttons to set the **MODE** to **MULTI**, **OMNI**, and **NRPN**.

Note: If the mixer is in **SENDS ON FADER** mode (all **MIX/MATRIX** lights are on and one is blinking), your mixer will not respond to switcher commands. Press one of the **MIX/MATRIX** buttons to exit this mode.

Compatibility

Audio Mixer	Version
Yamaha LS9-16	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	18.10 or higher
Synergy MD/X	9.1 or higher
Vision MD/X	8.3 or higher
Vision QMD/X	8.3 or higher
Vision MultiPanel Support	--
Automation	
OverDrive	8.0 or higher
Port Expanders	
BSS4	✓
Control DeviceMaster	✓