

## Yamaha DM2000

### 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

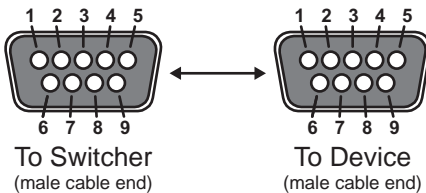


Figure 1 DB9 to DB9 Cable

### 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 DM2000**.
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 DM2000)      | 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 to the MIDlator.

- 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**.

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

6. Use the **Cursor** buttons to navigate to the **RECEIVE Section** and select the following, all other parameters should be deselected (you will have to press **ENTER** after each selection):

- **Channel 1**
- **PROGRAM CHANGE**
- **PARAMETER CHG**
- **CONTROL CHANGE**

7. Use the **Cursor** buttons to navigate to the **TRANSMIT Section** and select the following, all other parameters should be deselected (you will have to press **ENTER** after each selection):

- **Channel 1**
- **PROGRAM CHANGE**
- **PARAMETER CHG**
- **CONTROL CHANGE**

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

8. Deselect all items in the **OMNI Section**.

9. Press **ENTER** to save your changes.

10. Deselect all items in the **ECHO Section**.

11. Press **ENTER** to save your changes.

| Port Expanders       |   |
|----------------------|---|
| BSS4                 | ✓ |
| Control DeviceMaster | ✓ |

## Compatibility

| Audio Mixer               | Version        |
|---------------------------|----------------|
| Yamaha DM2000             | --             |
| Switchers                 |                |
| Synergy 1 SD              | 16.0 or higher |
| 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 | --             |
| Automation                |                |
| OverDrive                 | 7.0 or higher  |



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