Yamaha DM2000

Requirements
- Small Audio Mixer Interface Software Option
- MIDIator Serial to MIDI Converter
- MIDI Interface Cables (x2)
- Serial Interface Cable (DB9 to DB25)

Port Connections

<table>
<thead>
<tr>
<th>Port Connections</th>
<th>Switcher</th>
<th>MIDIlator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial Connection</td>
<td>REMOTE Port (DB9 female)</td>
<td>SERIAL Port (DB25 female)</td>
</tr>
<tr>
<td>MIDI Connection</td>
<td>MIDI Out</td>
<td>MIDI In</td>
</tr>
<tr>
<td></td>
<td>MIDI In</td>
<td>MIDI Out</td>
</tr>
</tbody>
</table>

Cable Connectors

```
1  2  3  4  5
6  7  8  9
```

To Switcher (male cable end)

```
14 15 16 17 18 19 20 21 22 23 24 25
```

To Device (male cable end)

Figure 1  DB9 to DB25 Cable

Extra Options

<table>
<thead>
<tr>
<th>Extra Options</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Converter</td>
<td>MIDIlator</td>
</tr>
<tr>
<td>Mixers (ganged together)</td>
<td>1 (default)</td>
</tr>
<tr>
<td>Version (of DM2000)</td>
<td>1 (default)</td>
</tr>
<tr>
<td>Post-fade delay</td>
<td>5 (default)</td>
</tr>
</tbody>
</table>

Device Setup

1. Press HOME ⇒ Setup ⇒ Installation ⇒ Com Setup ⇒ Type.
   - Use the Com Port knob to select the Remote X port that you connected the MIDIlator 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-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.

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.

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 MIDIlator 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-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.

6. Press HOME ⇒ Confirm.

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

**Compatibility**

<table>
<thead>
<tr>
<th>Audio Mixer</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yamaha DM2000</td>
<td>--</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Switchers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Synergy 1 SD</td>
<td>16.0 or higher</td>
</tr>
<tr>
<td>Synergy Series SD</td>
<td>18.0 or higher</td>
</tr>
<tr>
<td>Synergy MD/X</td>
<td>8.2 or higher</td>
</tr>
<tr>
<td>Vision MD/X</td>
<td>8.2 or higher</td>
</tr>
<tr>
<td>Vision QMD/X</td>
<td>8.2 or higher</td>
</tr>
<tr>
<td>Vision MultiPanel Support</td>
<td>--</td>
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</tbody>
</table>

**Automation**

<table>
<thead>
<tr>
<th>Automation</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>OverDrive</td>
<td>7.0 or higher</td>
</tr>
</tbody>
</table>

**Port Expanders**

<table>
<thead>
<tr>
<th>Port Expanders</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSS4</td>
<td>✔</td>
</tr>
<tr>
<td>Comtrol DeviceMaster</td>
<td>✔</td>
</tr>
</tbody>
</table>