

Setup with a Kemper Profiler

The Kemper Profiler is another device that is frequently used with the Mastermind LT. The Profiler has an extensive MIDI implementation that allows it to communicate bidirectionally with the Mastermind LT, reporting effect block status, effect types, tempo and tuner data.

Connections

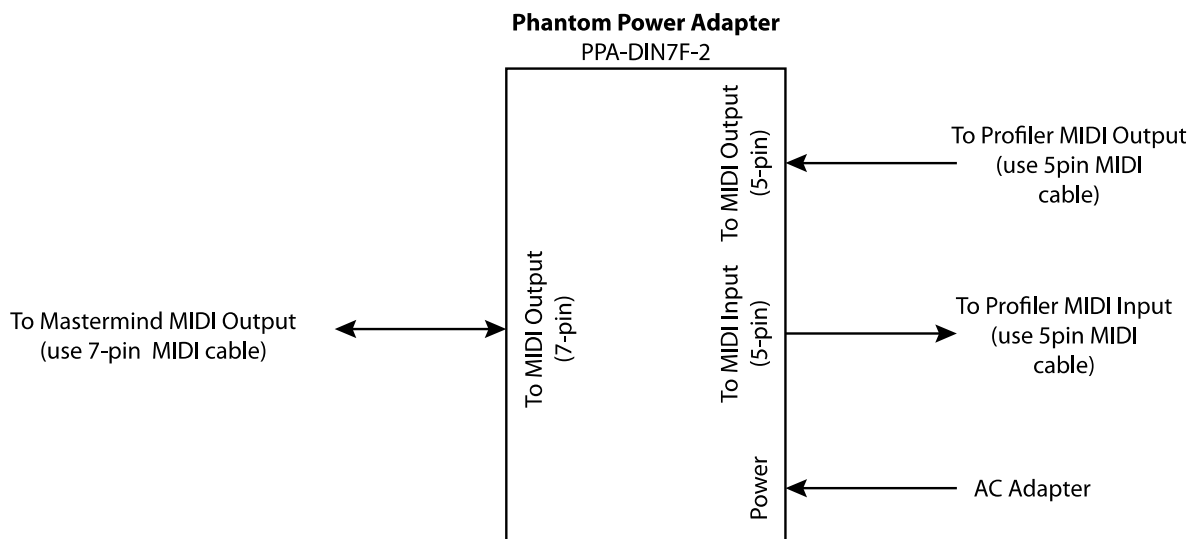
The Profiler needs two MIDI cables to communicate to the Mastermind LT, one for input and one for output. There are two ways you can make the connection:

Two MIDI cables – this is the simplest connection. Simply connect two standard 5-pin MIDI cables: one from the Mastermind LT's MIDI output to the Profiler's MIDI input, and one from the Mastermind LT's Remote In to the Profiler's MIDI output.

These cables can be “3-pin active” or “5-pin active” types – either is fine. Even though the MIDI connectors on the Mastermind are 7-pin, it's okay to use 5-pin MIDI cables – the two extra pins are used only for phantom power and can be left unconnected.

With this option, you should power the Mastermind normally – with its included power supply.

Phantom Power Adapter – you can also phantom power the Mastermind LT. This allows you to keep the power supply backstage in a rack, with only one MIDI cable going to the LT. We sell a phantom power adapter box, part number PPA-DIN7F-2, which is a small box that goes between the Mastermind LT and Profiler. It combines both MIDI connections from the Profiler and power from the AC adapter into a single 7-pin MIDI connection that goes to the Mastermind LT. This adapter also has the advantage of improving the grounding of the MIDI connections, greatly reducing any noise generated by the MIDI data stream.



Settings

Setup on the Mastermind LT requires only a few steps:

1. In Mastermind LT setup, select **Edit Devices**.
2. Select a device slot. If you're starting with a Mastermind LT that's in the factory state, select the “Mini Effect Gizmo” slot. If you also have a Mini Effect Gizmo, you can leave the “Mini Effect Gizmo” entry and instead select one of the empty slots.
3. Press the **Type** button, then select **Kemper**. Next, select **Profiler**. Don't select the “**Profiler (slave)**” option – this option is described a bit later.
4. Press the **Set Default Pedals** button. This sets up the expression pedals to control the Profiler.

5. Optional: Use the **Get Preset Names** feature to read the preset names from the Profiler. This process is described in the [Reading Preset Names](#) section.
6. Optional: use the [Edit Buttons](#) menu option to create IA buttons to control the Profiler's stomp slots.
7. Exit setup mode.

Usage

Once it's set up, you'll see a standard configuration of preset buttons and bank buttons. The preset buttons allow you to select presets on the Profiler, and the bank buttons allow you to move through the banks of presets. This works automatically in Performance mode. In Browse mode, you need to assign a program number to each rig using the Browse Mode Program Change option in the Profiler.

Troubleshooting

If the Mastermind LT and Profiler don't appear to be communicating, there are a number of things you should check:

1. Check the MIDI cables and how they're connected. This is the most common cause of problems. Make sure your cables are good – try other cables if you have them.
2. Make sure that the Profiler's MIDI channel is set to the same MIDI channel as the Profiler entry in the Mastermind GT's device settings. By default, these are both set to channel 1, but either could have been changed to something else.
3. Check each MIDI device and make sure that each one is on its own MIDI channel.

Slave Mode

By default, the on/off state of each effect block is determined by the settings stored in the Profiler's presets. When you select a preset on the Mastermind LT, the LT selects the desired preset on the Profiler. The Profiler then reports back to the Mastermind GT, telling it if each effect block is on, off or disabled. The IA buttons are updated to show this status.

In this "normal" mode, if you want to change which effect blocks are turned on or off in a particular preset, you need to do the editing on the Profiler itself. You can't update this information on the Mastermind LT.

An alternate method is available, which we refer to "slave mode". This changes the way the Mastermind LT handles the IA buttons that control effect blocks. When a preset is selected on the LT, the LT will request a preset on the Profiler, then report the status of each effect block ("Stomp A is on", "Delay is off", etc.). This all happens in a fraction of a second, and the result is that the LT's settings override those on the Profiler.

In slave mode, you can select which effect blocks are turned on or off simply by pressing the IA buttons on the Mastermind LT, then holding the **Function** button for three seconds to store the new IA state to the current preset. No editing is required on the Profiler itself.

Selecting Slave Mode

To select slave mode, go into **Edit Devices**, select a device slot, then press **Type**. In the list that pops up, select **Kemper**, then **Profiler (slave)**. Then follow the steps in the Setup section above, starting with step 4.