

Randall®

A M P L I F I E R S

RM100 Modular 100 Watt Tube Head

Install the modules (up to 3) by firmly inserting the module by the center front panel knobs into the slot. Make sure the module front panel is flush with the chassis, then tighten the two captive thumbscrews until the module panel is pulled in flush with the rack panel. Always install a blank “filler” panel into any unused module slots. To remove a module, turn the two thumbscrews counter clockwise until they are loose. Grasp the thumbscrews and pull out.

FRONT PANEL:

- INPUT:** Plug your guitar in here. This jack takes priority over the rear panel input.
- CHANNEL:** Selects the desired module, and also stores program changes by pressing and releasing.
- EFFECTS:** Adjusts the effects level for the PARALLEL LOOP.
- MASTER:** The overall output level for all channels.

REAR PANEL:

- SERIES LOOP:** Used for effects that require processing 100% of the signal such as compressors, equalizers, noise reduction, etc.
- PARALLEL LOOP:** A specialized loop that retains the direct (dry) signal at all times. Akin to the effects buss on a PA or recording mixer. Your direct tone is unaffected and the desired level of effects is controlled by the front panel EFFECTS knob. It is *imperative* that the effects unit is programmed for *100% effects (wet)* when using this loop. This loop should be used for time base effects such as echo, reverb, delay etc.
- MIDI IN::** For channel selection. Used as the input for the RANDALL (RF3) 3-button foot controller, or other midi controllers.
- THRU:** Passes the signal from the IN jack for controlling other external MIDI devices. Connect to the MIDI IN of other external MIDI devices.
- AC INLET:** Accepts a standard IEC power cord. Remove the fuse holder and insert so that the arrow points to the correct voltage. Be sure to install the proper value fuse as indicated on the rear panel.

CHANNEL SWITCHING:

If there are 3 preamps(RM100) or 4 preamps(RM4) installed; pressing & releasing the Channel Select switch within half-a-second will change the channel from 1 to 2, pressing & releasing again 2 to 3, and again 3 to 4, and once again 4 to 1.

SAVING A PRESET:

Pressing and holding the channel select switch for 1 second will store the current setting.

MIDI CHANNEL SELECTION:

The MIDI Channel (1 - 16) is selected via an internal four position DIP switch (S1). The MIDI Channel must be selected with the power off.

CHAN.	S1-4	S1-3	S1-2	S1-1
1	on	on	on	on
2	on	on	on	off
3	on	on	off	on
4	on	on	off	off
5	on	off	on	on
6	on	off	on	off
7	on	off	off	on
8	on	off	off	off
9	off	on	on	on
10	off	on	on	off
11	off	on	off	on
12	off	on	off	off
13	off	off	on	on
14	off	off	on	off
15	off	off	off	on
16	off	off	off	off

MIDI (RECEPTION) IMPLEMENTATION:

The EMB board recognizes Program Changes or (NOT both) Control Changes on a pre-selected MIDI Channel, see above for "MIDI Channel Selection".

Program Changes 1 to 128 select EMB presets 1 to 128, which are saved in EEPROM memory.

Control Change #56 (w/Control Value 127) allows for "Instant Access" selection of Channel 1.
Control Change #57 (w/Control Value 127) allows for "Instant Access" selection of Channel 2.
Control Change #58 (w/Control Value 127) allows for "Instant Access" selection of Channel 3.
Control Change #59 (w/Control Value 127) allows for "Instant Access" selection of Channel 4.

The first valid MIDI message (Program Change or Control Change) that the EMB board receives will determine how it responds to subsequent MIDI messages. For example; (a) if the first MIDI message the EMB board receives is a Program Change, then it will ONLY respond to Program Changes, ALL Control Change messages will be ignored (b) if the first MIDI message the EMB board receives is a Control Change, then it will ONLY respond to Control Changes, ALL Program Change messages will be ignored.

*** For users of the DMC Ground Control, Control Changes #56 - #61 correspond to GCX #4 Loops 1 - 6, latched.

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