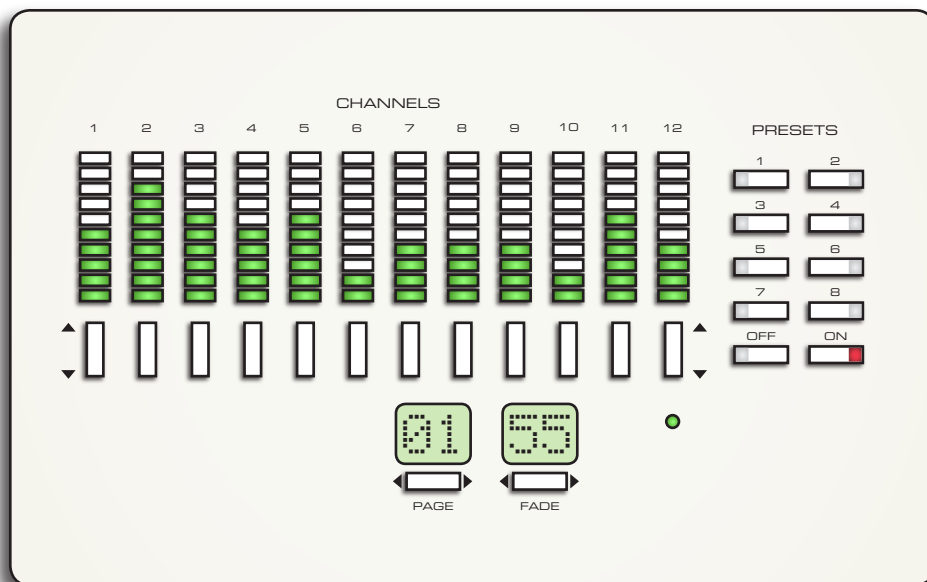


# The RMS Controller

A quick look at the basic functions of the  
Remote Manual Slider Controller by



covered in this manual

# The RMS Controller

## *introduction*

Welcome to the instruction guide for the Remote Manual Slider controller. Let us begin with understanding what this controller can do. The RMS (for short) Controller allows you to control and automate your Marlin Controls lighting system. Using the RMS, you can quickly and easily:

- Recall presets and switch the lights Off or On
- Set a preset lighting scene, which can be “recalled” at the push of a button
- Adjust light levels for certain areas
- Set the scenes to adjust or “Fade” from one to the other over a specified length of time

## *lighting lingo*

**Dimmers** are devices used to control or “dim” specified areas of your lighting. They are sometimes referred to as “channels”

**Fade rate** refers to the length of time, usually in seconds, that dimmers take to raise or lower lighting from their current levels to the levels of a recalled preset.

**Light level** refers to the brightness of lights controlled by a dimmer, measured from 0% to 100%, where 0% represents total darkness and 100% represents maximum brightness.

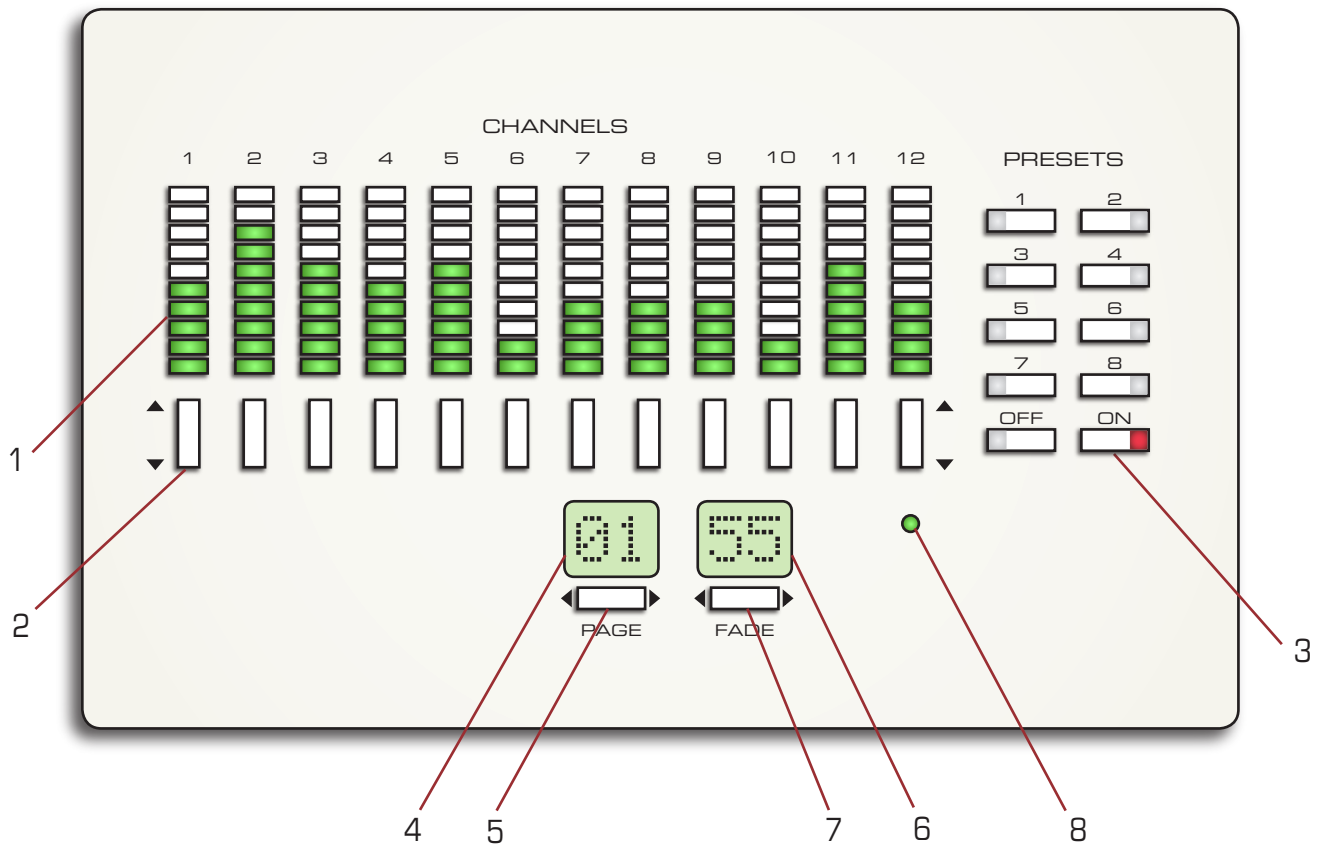
**Slider** refers to actual hardware on the controller which is used to show the current light level for each channel, or circuit of lighting. Each slider has a button underneath that, when pressed “up” or “down”, can be used to adjust the light level for its corresponding channel.

**Preset** is a saved set of light levels and fade rates for every channel of lighting being controlled by the system; sometimes called a “scene”. By creating presets, you can quickly call up light settings for different times of day or different occasions. Night setting, Day setting, and Clean Up setting are all examples of possible presets.

**Pages** refer to groups of channels. For the RMS 8, channels 1 - 8 comprise the first page; and with 8 pages, this means that the RMS 8 can control up to 64 channels. For the RMS 12, channels 1 - 12 comprise the first page; and with 8 pages, this means that the RMS 12 can control up to 96 channels. The RMS 4 is the only one of the RMS controllers without the “Pages” feature, so it is limited to controlling only 4 channels - perfect for much smaller applications.

# The RMS Controller

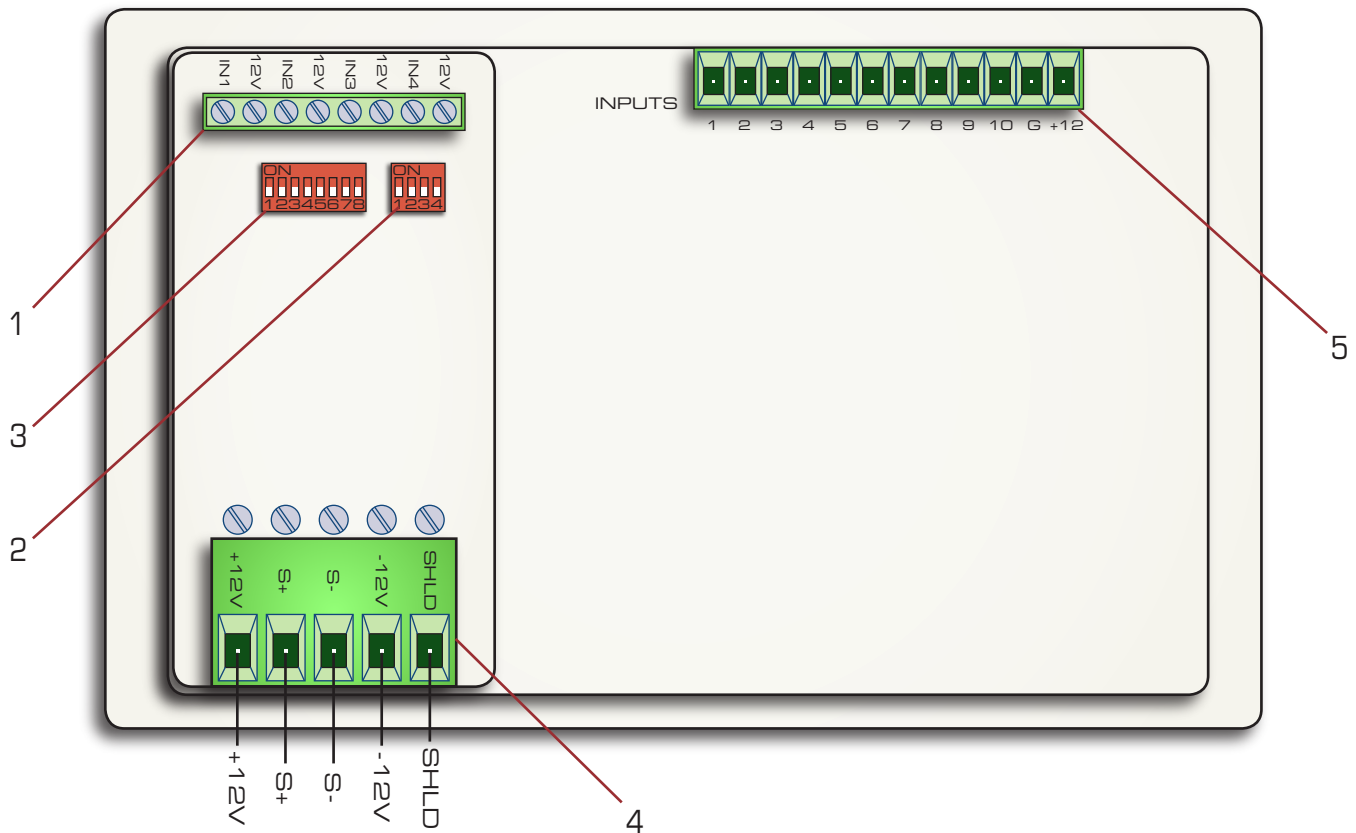
## rms layout - front



1. Channel Light Level indicators  
Display the current light levels of each channel.  
Blinking LED is 5% increment, steady LED is 10%
2. Channel Adjust Buttons  
Raise and lower the light levels of each channel by 5% with each tap
3. Preset/Off/On buttons  
Recall presets and turn all lights off or on
4. Page Display Window  
Displays the currently selected page of 12 channels; only on the RMS 8 and RMS 12
5. Page Button  
Selects the current page of channels, from page #1 to page #8. 96 channels can be controlled for all 8 pages; only on the RMS 8 and RMS 12
6. Fade Rate Display Window  
Displays the fade rate of the active preset
7. Fade Rate Adjust Button  
Adjusts the speed at which light levels raise or dim when a preset is called (measured in seconds)
8. Activity LED - Indicator for communication

# The RMS Controller

## *rms layout - back*



1. External Inputs  
Inputs for motion sensors and door switches
2. Configuration Dip Switches  
Each switch enables/disables the following advanced options:
3. Physical Address  
Identifies the RMS on the lighting system network
4. RS-485 Communication bus connector  
Connects to the dimmer panel and other lighting controllers
5. A/V, dry contact closure inputs  
Automatically recalls preset 1 through 8, OFF(9), or ON(10) when a +12 VDC signal is received to the corresponding input

1.	Low-end enable/disable
2.	DMX compatibility enable/disable
3.	PHC enable/disable
4.	Preset programming: lock/unlock

# The RMS Controller

## *recall a preset*

Presets (or “scenes”) let you quickly set all of the channels in your system to predefined light levels. For example, you can create “evening”, “lunch”, or “clean up” presets, each with their own fade rate (see Set a Preset).

1. Press the desired preset number (see figure 5a). The button will light up to indicate the active preset. The fade window will display the preset’s fade rate (in seconds). The lights will begin to adjust from their previous levels, to the levels stored for the preset. If the lights don’t seem to be adjusting, check to see if the fade rate is set to a long amount of time. “60” in the fade window means your lights will take an entire minute to transition!

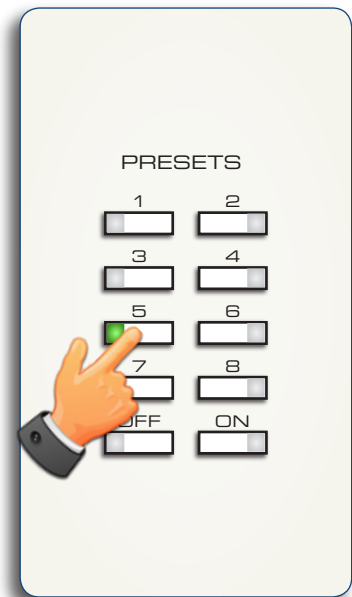


figure 5a.

## *adjust light levels*

Follow the procedure to manually adjust the brightness of each channel.

1. If using the RMS 8 or 12, press the PAGE button to select the desired page number (see figure 5b).
2. Press the channel adjust button to raise or lower light levels (See figure 5c). Press the ON or OFF button to turn all lights on or off (See above for recalling a preset).

\*Each tap raises or lowers light levels by 5% increments

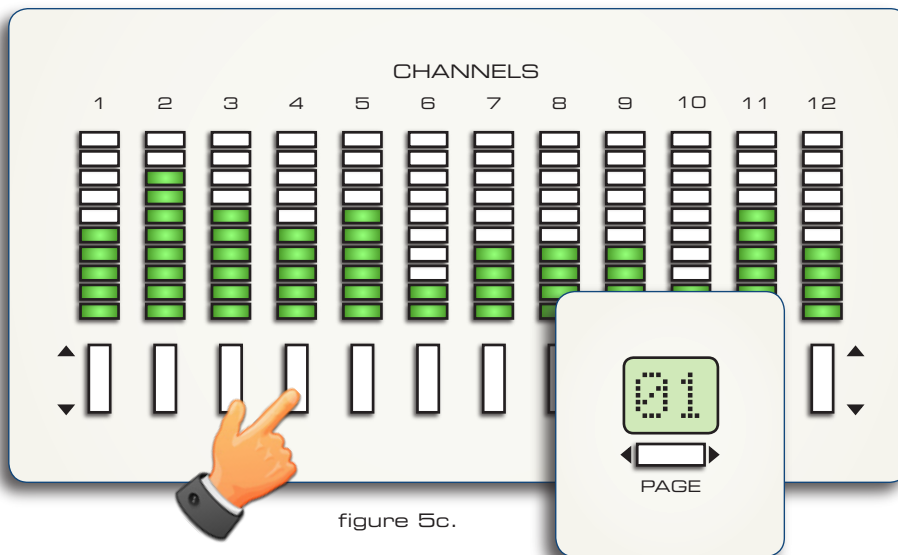


figure 5c.

figure 5b.

# The RMS Controller

## *program a preset*

This procedure describes how to program the light levels for each channel and save them as presets, so they can be recalled again later. Each preset has a fade rate, which controls how fast all channels raise or dim to their preset brightness - this will be programmed as part of the preset.

1. Press and hold the preset number you wish to set. Once the preset button's LED begins to flash, you are in programming mode. (See figure 6a.)

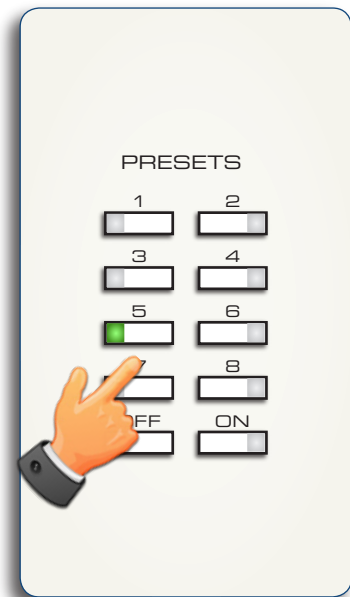


figure 6a.

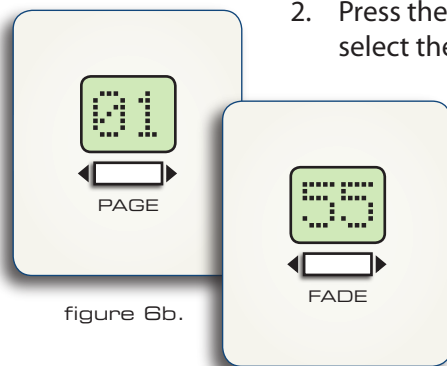


figure 6b.

figure 6d.

2. Press the PAGE button (for RMS 8 and 12) to select the page number. The page window will display the selected page (See figure 6b). If using an RMS 4, continue to step 3.

3. Press the channel adjust buttons to raise or lower light levels for each of the channels (See fig 5c). If more than one page of lighting exists, continue steps 2 and 3 until all light levels are set.

4. Press the fade button to slow down or speed up the preset's fade rate. The fade window will display the selected fade rate in seconds. Be sure to set the fade rate for each Page of lighting channels! (See figure 6d)

5. Press the preset number again to store (refer back to figure 6a).
6. While the system is storing the preset, the activity LED (bottom right side of figure 6c) will be blinking. WAIT TO DO ANYTHING ELSE until the LED stops blinking. Once the blinking stops, this means that your preset is stored, and you are ready to continue using the RMS controller.

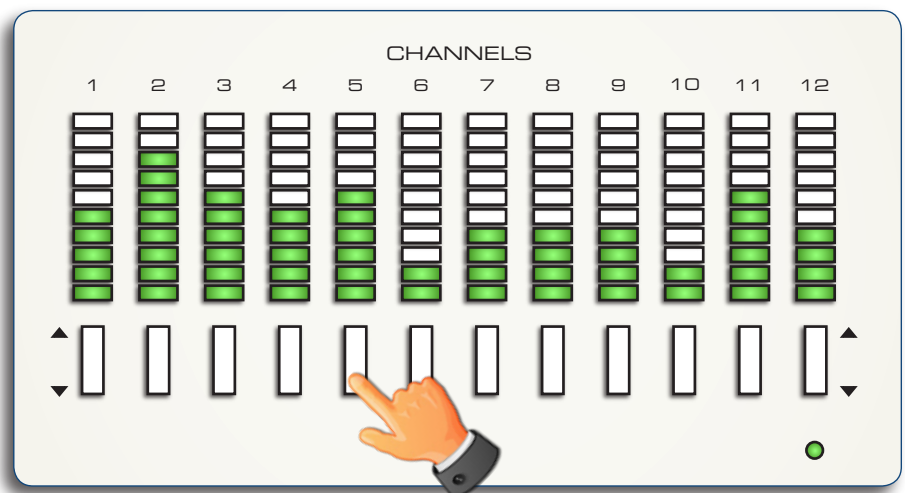


figure 6c.

\*Press and hold OFF to cancel changes at any time BEFORE Step 5!

# The RMS Controller

## *disable/enable programming*

Disabling preset programming prevents users from modifying presets that have already been saved (see Program a Preset). Before proceeding, remove the RMS faceplate, unscrew the RMS from the wall, and unplug the green connector (See figure 7a).

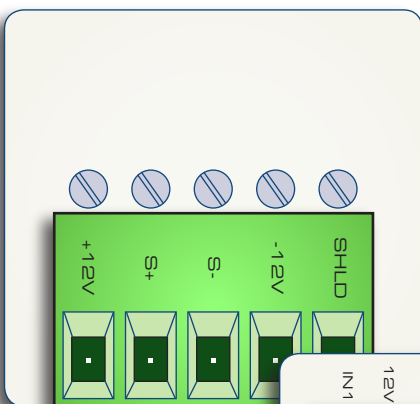


figure 7a.

1. Using a small screwdriver or pencil, flip switch #4 of the 4-pin configuration dip switch on the back of the RMS controller. (See RMS Layout - Back). Flip the switch to the ON position (Up) to enable the preset programming. Likewise, to disable programming, flip the switch to the OFF position, or Down. (See figure 7b.)
2. Reconnect the green plug (figure 7a.) and replace the RMS to its position in the wall.

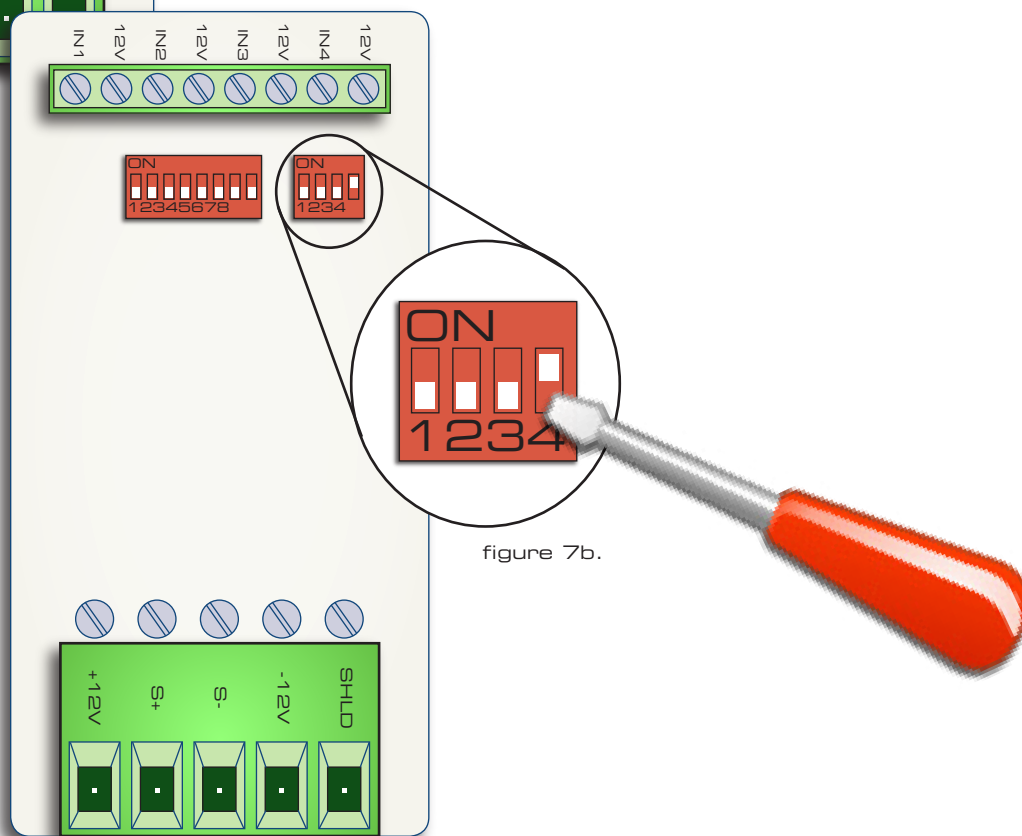


figure 7b.

# The RMS Controller



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