

Level Capture with a RadioRA® Master Control

Overview

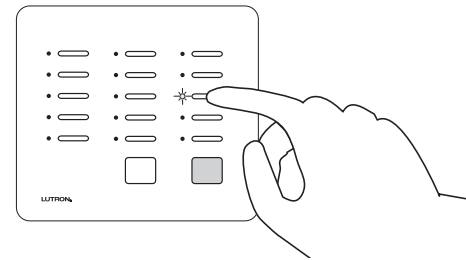
Level Capture sets the levels (0 - 100%) for devices programmed to a specific *RadioRA* Master Control Button, allowing the user to easily adjust lighting levels associated with each button.

Benefits to Level Capture include:

- Level Capture lets the installer/programmer set light levels on *RadioRA* Master Control Buttons **without entering into program mode.**
- Level Capture can be used to make changes to only the lights needing adjustment that are assigned to that Master Control Button, other zones remain unaffected.
- Level Capture instantly saves the lighting intensities as they are currently set.
- Level Capture affects only the levels for Dimmers, Switches, and GRAFIK Eye® Interfaces that are already assigned to the *RadioRA* Master Control Button.

Programming

1. If devices programmed to the button are known, proceed to step 4 and DO NOT press the "ALL OFF" button as described in step 2.
2. Press the "ALL OFF " button (this will turn all lights OFF).
3. Press the desired ROOM or SCENE button (lights to be changed will turn ON).
4. Adjust intensities of Dimmers, Switches, and select a scene on *GRAFIK Eye* Control Units assigned to the Master Control button (OFF is a valid level for a SCENE button).
5. To capture current light levels, press and hold the desired Master Control button for 3 seconds (RAMC models) or 6 seconds (RALB models) until the LED flashes twice (if LED does not flash twice see Troubleshooting).



- Notes:**
- Level Capture CAN NOT be used for any *RadioRA* Master Control, Repeater, Dimmer, Switch, or *GRAFIK Eye* Interface shipped from Lutron before January 1, 2001.
 - A button must have devices assigned to it before Level Capture will work for that button.
 - Level Capture will only work on the devices assigned to that button (see *RadioRA* Setup Guide P/N 044-001).
 - SCENE buttons may have programming to turn lights OFF. Those lights may also be adjusted.
 - Level Capture is not compatible with the Whole-home Buttons on a Chronos™ System Bridge and Timeclock (RA-SBT-CHR).

Troubleshooting Failed Level Capture

If Master Control LED in "Programming" step 5 does not flash twice after 3-6 seconds verify the following:

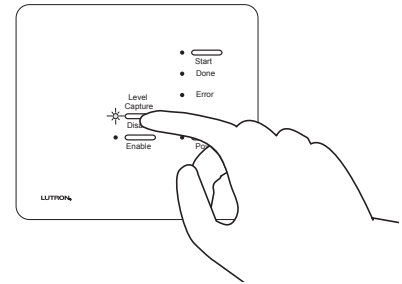
- Service Switch on the front of Dimmer or Switch may be in the OFF position (pushed to the left).
- No load, verify light bulb is working.
- Check that all System Repeaters are ON and working.
- Make sure all Dimmers and Switches assigned to a ROOM button are ON.
- Look at product date code for system device shipped from Lutron Electronics before January 1, 2001 (contact the Lutron Technical Support for help).

Disabling Level Capture

Level Capture allows the Architect, Lighting Designer, Installer, or Homeowner to easily change button programming. However, it can sometimes be inadvertently activated by children or guests. They may hold the button too long while waiting for lights to illuminate and may accidentally change the programming. For this reason it may be desirable to disable level capture. Level capture can be disabled through the *RadioRA* Hand-Held Configuration Device (RA-HHCD-1) or through RS232 commands from the *RadioRA* RS232 Interface (RA-RS232) or the *RadioRA Chronos* System Bridge and Timeclock (RA-SBT-CHR).

Disabling Level Capture Using the Hand-Held Configuration Device

1. Press and hold the Power button for 3 seconds until the Power LED turns ON.
2. To disable Level Capture, press and hold the Disable button until the Disable LED turns ON. To enable Level Capture, press and hold the Enable button until the Enable LED turns ON.
3. Press and hold the Activate Controls button on an RF Signal Repeater. Alternatively, with a *Chronos* System Bridge and Timeclock as the Main Repeater, go to **Main > System Setup > Activate Controls**. The Start LED on the HHCD will begin flashing slowly.
4. Press the flashing Start button. The Start LED will begin flashing quickly and the system Repeaters will begin beeping.
5. Wait for the Done LED to turn ON (approximately 1 minute). All system devices will reset.
6. If the Error LED turns ON and the Done LED is ON, there are Cordless Master Controls asleep. Wake up one Cordless Master Control and wait for the Start LED to flash quickly before moving on to the next Cordless Master Control. When all Master Controls have been Enabled or Disabled, the Error LED will turn OFF. For other Error LED states, refer to the Troubleshooting section of the instruction sheet included with the HHCD.
7. Press and hold the Power button for 3 seconds to turn OFF the HHCD.



Disabling Level Capture Using RS232 Commands

1. Assign master control numbers to the Master Controls on which you want to disable the Level Capture feature using the *RadioRA* RS232 Interface (see the RA-RS232 setup guide) or the *RadioRA Chronos* System Bridge and Timeclock (see the RA-SBT-CHR setup and installation guide).
2. From your PC's Windows menu, open the "Hyperterminal" program. Set connection settings for 9600 baud, no parity, 8 data bits, 1 stop bit with handshaking on or off to match the RS232 settings on your RadioRA device.

Disabling Level Capture Using RS232 Commands

3. Issue the LVLCAPC,"master control number",OFF command from your computer in hyperterminal program to turn off the Level Capture feature on a specific Master Control. Issue a LVLCAPC,"master control number",ON command to turn on Level Capture feature on a specific Master Control.
- Examples: To turn Level Capture OFF on Master Control 5, type: LVLCAPC,5,OFF
 - To turn Level Capture ON on Master Control 1, type: LVLCAPC,1,ON
 - Repeat for all remaining Master Controls

4. Cycle power to the Master Controls for changes to take effect. For wall mount Master Controls cycle the appropriate breaker feeding that Master Control.

- Notes:**
- Power must be cycled to the Master Controls after using the RS232 command to disable Level Capture.
 - Power is NOT cycled to the Master Controls after using the HHCD to disable Level Capture.
 - Applies only to RS-232 Interfaces which shipped from Lutron after August 1, 2001.

Worldwide Technical and Sales Assistance

If you need assistance call the toll-free **Lutron Technical Support Center**. Please provide exact model number when calling.
(800) 523-9466 (U.S.A. and Canada)
Other countries call (610) 282-3800

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