Vive Maestro Wireless Dimmers and Switches

The Maestro Wireless solution incorporates Maestro Wireless load controls, wireless sensors, and wireless remote controls, which provide a system that delivers energy savings, convenience, and ease of installation.

Maestro Wireless dimmers and switches use Lutron patented Clear Connect RF Technology, which enables wireless communication with Radio Powr Savr sensors and Pico remote controls for light control and general switched loads.

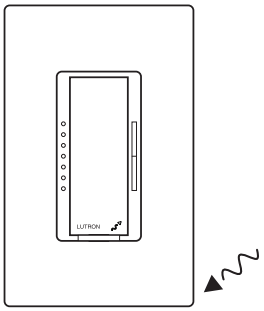
These products are also compatible with the Vive hub which enables a simple setup process using a standard web browser on any Wi-Fi enabled phone, tablet or computer. It also enables control and monitoring of all Vive devices. The Vive hub can be added at any time. System reprogramming will be required. For a complete list of features supported with the Vive hub, see specification submittal 369902.

Note for Replacement: MRF2S - the "S" model can replace the non-"S" model.

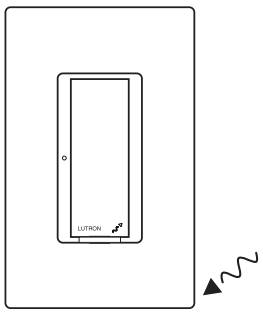
Features

- The Maestro Wireless solution provides dimming/switching of multiple load types, occupancy/vacancy sensing, and daylight harvesting.
- Lutron patented Clear Connect RF Technology works through walls and floors.
- Incorporates advanced features such as fade ON/fade OFF, high-end trim, and rapid full-ON (a Vive hub is required to set high-end trim).
- Controls include Front Accessible Service Switch (FASS) for safe lamp replacement.
- Two-wire dimmers and switches available for retrofit applications.
- Power failure memory: If power is interrupted, the control will return to its previously set level prior to interruption.

Receiving Devices
Maestro Wireless Controls

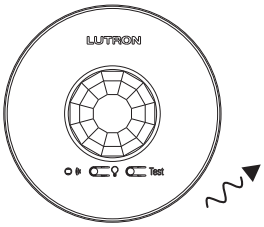


Neutral and Non-Neutral Dimmers

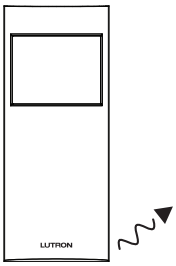


Neutral and Non-Neutral Switches

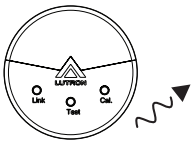
Transmitting Devices
Radio Powr Savr Sensors



Ceiling-Mounted Occupancy and Vacancy Sensors

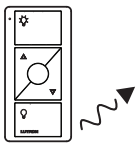


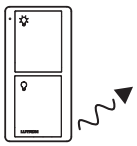
Wall-Mounted Occupancy and Vacancy Sensors



Daylight Sensors

Pico Remote Controls





Job Name:	Model Numbers:	
Job Number:		

Maestro Wireless Dimmers

Models Available

Dimmers

Dimmer

CFL/LED/Halogen/Incandescent

MRF2S-6CL-XX[1]	150 W CFL/LED Dimmer ; 600 W/600 VA Incandescent, 120 V~
MRF2S-6ND-120-XX[1,2]	600 W/600 VA Spec-Grade Neutral Wire Dimmer, 120 V~ 150 W CFL/LED Dimmer

Electronic Low-Voltage Dimmer

MRF2S-6ELV120-XX[1]	600 W ELV Dimmer 120 V~ (neutral required) 150 W CFL/LED Dimmer

Companion Dimmers

Companion Dimmer

Claro Gloss Finishes

MA-R-XX[1,2]	Companion Dimmer 120 V~

Satin Colors Satin Finishes

MSC-AD-XX[1]	Companion Dimmer 120 V~

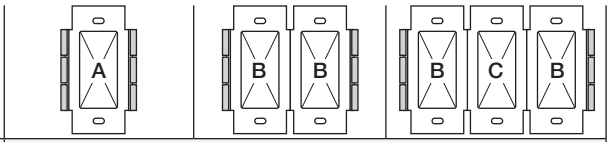
1 "XX" in the model number represents color/finish code. See **Colors and Finishes** at end of document.
2 BAA-compliant model numbers available. Add a "U" prefix to the model number.

Job Name:	Model Numbers:	
Job Number:		

Ganging and Derating

When combining controls in the same wallbox, derating is required.

Dimmer Load Type and Capacity



No Neutral Required

Control	Voltage	Load Type	Minimum Load	Maximum Load		
				A: Not Ganged	B: End of Gang	C: Middle of Gang
MRF2S-6CL [1,2,3]	120 V~	CFL/LED	See lamp list	See *Mixing Lamp Types*		
		Incandescent/Halogen	50 W	600 W	500 W	400 W

Neutral Required

Control	Voltage	Load Type	Minimum Load	Maximum Load		
				A: Not Ganged	B: End of Gang	C: Middle of Gang
MRF2S-6ELV120 [1,2]	120 V~	ELV	5 W	600 W	500 W	400 W
		CFL/LED	See lamp list	See *Mixing Lamp Types*		
MRF2S-6ND-120 [1,2,3]	120 V~	Incandescent/Halogen	25 W	600 W	500 W	400 W
		MLV [2]	25 W/VA	450 W/600 VA	400 W/500 VA	300 W/400 VA
		CFL/LED	See lamp list	See *Mixing Lamp Types*		

Note: Do not mix ELV and MLV load types on a single control.

1 Dimmer Load Type:
- MRF2S-6CL is designed for use with permanently-installed incandescent, CFL, LED, or tungsten halogen only.
- MRF2S-6ND-120 is designed for use with permanently-installed incandescent, CFL, LED, magnetic low-voltage, or tungsten halogen only. Can control Power Modules (PHPM-PA-DV, PHPM-3F-DV-WH, PHPM-WBX-DV-WH, and GRX-TVI) and legacy interfaces Hi-Power 2•4•6 Boosters (HP-2, HP-4, HP-6).
- MRF2S-6ELV120 is designed for use with permanently-installed electronic low-voltage, incandescent, CFL, LED or tungsten/halogen only. Do not install dimmers to control receptacles or motor-operated appliances.

2 Low-Voltage Applications:
- Use MRF2S-6ND-120 with magnetic (core and coil) low-voltage transformers only. Not for use with electronic (solid-state) low-voltage transformers.
- Use MRF2S-6ELV120 with electronic (solid-state) low-voltage transformers only. Operation of a low-voltage circuit with lamps inoperative or removed may result in transformer overheating and premature failure. Lutron strongly recommends the following:
  - Do not operate low-voltage circuits without operative lamps in place.
  - Replace burned-out lamps as quickly as possible.
  - Use transformers that incorporate thermal protection or fused transformer primary windings to prevent transformer failure due to overcurrent.
- See Application Note #559 for dimming low voltage LEDs.

3 BAA-compliant model numbers available. Add a "U" prefix to the model number.

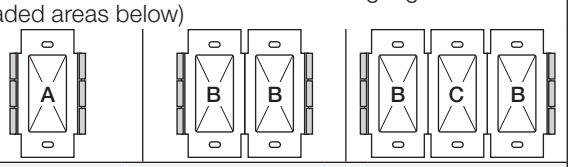
Mixing Lamp Types

Mixing lamp types (using a combination of CFL/LED, and Incandescent/Halogen bulbs) and ganging with other dimmers or electronic switches may reduce maximum wattage, as shown.

Example: If fins from one side of dimmer are removed and you have two 24 W bulbs installed (total CFL Wattage = 48 W), you may add up to 300 W of incandescent or halogen lighting.

Example: If a dimmer is installed in location "B" above and there are two 24 W CFL bulbs installed (Total CFL Wattage = 48 W), you may add up to 300 W of incandescent or halogen lighting.

Do not remove outside fins on ends of ganged controls (shaded areas below)



Total CFL/LED Wattage		Total Incandescent/Halogen Wattage				
		A: Not Ganged		B: End of Gang		C: Middle of Gang
MRF2S-6CL						
0 W	+	50 W–600 W	Or	50 W–500 W	Or	50 W–400 W
1 W–25 W	+	0 W–500 W	Or	0 W–400 W	Or	0 W–300 W
26 W–50 W	+	0 W–400 W	Or	0 W–300 W	Or	0 W–200 W
51 W–75 W	+	0 W–300 W	Or	0 W–200 W	Or	0 W–100 W
76 W–100 W	+	0 W–200 W	Or	0 W–100 W	Or	0 W–50 W
101 W–125 W	+	0 W–100 W	Or	0 W–50 W	Or	0 W
126 W–150 W	+	0 W	Or	0 W	Or	0 W

Job Name:	Model Numbers:	
Job Number:		