



RdmSetParameter Keyword

To get the RdmSetParameter keyword in the command line, type **RdmSetParameter** in the command line or use the shortcut **RdmS**.

Description

With the RdmSetParameter keyword you can set RDM parameters by using the command line.

If no Unique ID is given, the fixture selection will be used.

The RdmSetParameter keyword is a function keyword.

Syntax

RdmSetParameter [Parameter ID] [Parameter Value] / [Option] = [Option value]

Parameter ID (= PID)

You can enter the PIDs in the command line by using the PID name or the PID hex number.



Important:
If you enter manufacturer specific PIDs or PID values in the command line, it is necessary to use the hex value. A manufacturer specific PID name or PID value name can not be processed from a grandMA2 command line.

The following table lists the supported PIDs along with the command line and the parameter value.

The PIDs will be processed only, if the RDM device supports the PID.

PID name	PID hex value	PID value name	PID value hex value	Description
CLEAR_STATUS_ID	0x0032	No value.	—	Clears the status message queue.
DEVICE_HOURS	0x0400	32 bit number.	—	Retrieves or sets the number of hours of operation.
DEVICE_LABEL	0x0082	ASCII text label. Up to 32 characters.	—	Provides a means of setting a descriptive label for each device.
DEVICE_POWER_CYCLES	0x0405	Power Cycle Count (32-bit)	—	Retrieves or sets the number of power-up cycles. Some devices may only support the GET_COMMAND for this operation and not allow the device's power-up cycles to be set.



PID name	PID hex value	PID value name	PID value hex value	Description
DISPLAY_INVERT	0x0500	Off	0x00	Retrieves or changes the display invert setting. Invert is often used to rotate the display image by 180 degrees.
		On	0x01	
		Auto	0x02	
DISPLAY_LEVEL	0x0501	Display Level	Manufacturer specific. See fixture manual.	Retrieves or changes the display intensity setting.
DMX_PERSONALITY	0x00E0	Current Personality # of Personalities	—	Sets the responder's DMX512 personality. Many devices such as moving lights have different DMX512 personalities. Many RDM parameters may be affected by changing personality.
DMX_START_ADDRESS	0x00F0	DMX512 Address (16-bit).	—	Sets the DMX512 start address
FACTORY_DEFAULTS	0x0090	False	0x00	Reverts the device to its factory default user settings or configuration.
		True	0x01	
IDENTIFY_DEVICE	0x1000	Off, Stop	0x00	Physically identifies the device represented by the UID.
		On, Start	0x01	
LAMP_HOURS	0x0401	Lamp Hours (32-bit)	—	Retrieves the number of lamp hours or to sets the counter to a specific start value.
LAMP_ON_MODE	0x0404	LAMP_ON_MODE_OFF	0x00	Retrieves or changes the current Lamp On Mode. The Lamp On Mode defines the conditions under which a lamp will be struck.
		LAMP_ON_MODE_DMX	0x01	
		LAMP_ON_MODE_ON	0x02	
		LAMP_ON_MODE_AFTER_CAL	0x03	
		Manufacturer-Specific Modes	0x80 – 0xDF	
LAMP_STATE	0x0403	LAMP_OFF	0x00	Retrieves or changes the current operating state of the lamp.
		LAMP_ON	0x01	
		LAMP_STRIKE	0x02	
		LAMP_STANDBY	0x03	
		LAMP_NOT_PRESENT	0x04	
		LAMP_ERROR	0x7F	
		Manufacturer Specific States	0x80 – 0xDF	
LAMP_STRIKES	0x0402	Lamp Strikes (32-bit)	—	Retrieves the number of lamp strikes or to sets the counter to a specific start value.



PID name	PID hex value	PID value name	PID value hex value	Description
LANGUAGE	0x00B0	2 character alpha code for ISO 639-1	—	Changes the language of the messages.
PAN_INVERT	0x0600	Off On	0x00 0x01	Retrieves or changes the pan invert setting.
PAN_TILT_SWAP	0x0602	Off On	0x00 0x01	Retrieves or changes the pan/tilt swap setting.
PERFORM_SELFTEST	0x1020	SELF_TEST_OFF Manufacturer Tests SELF_TEST_ALL	0x00 0x01 – 0xFE 0xFF	Executes any built in self-test routine that may be present.
POWER_STATE	0x1010	POWER_STATE_FULL_OFF POWER_STATE_SHUTDOWN POWER_STATE_STANDBY POWER_STATE_NORMAL	0x00 0x01 0x02 0xFF	Retrieves or changes the power state.
REAL_TIME_CLOCK	0x0603	Year (16-bit), Month, Day, Hour, Minute, Second	—	Retrieves or set the real-time clock in a device.
RECORD_SENSORS	0x0202	Sensor Number	—	Instructs devices such as dimming racks that monitor load changes to store the current value for monitoring sensor changes.
RESET_DEVICE	0x1001	Warm Reset Cold Reset	0x01 0xFF	Resets the responder.
SENSOR_VALUE	0x0201	Sensor #, Present Value (16-bit), Lowest Detected Value (16-bit), Highest Detected Value (16-bit), Recorded Value (16-bit)	—	Retrieves or reset sensor data.
TILT_INVERT	0x0601	Off On	0x00 0x01	Retrieves or changes the tilt invert setting.

Options

To get a list all available options to the RdmSetParameter keyword, type in the command line:

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[Channel]> RdmSetParameter /?
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The RdmSetParameter has the following options:

Option	Option shortcut	Option value	Description
multipatch	m	0 = multipatch for all fixtures	Sets the multipatch index.
		1 = multipatch for one fixture	
		and so on	
UID	No shortcut available	e.g. "43500F019FCB"	Sets the RDM UID to send RDM Parameter to the device.

Examples

- To set the DMX start address to 3 of a RDM device, type in the command line:

[Channel]> RdmSetParameter dmx_start_address 3 / UID = 43500F019FCB

- To invert the display of a RDM device for the selected fixture, type in the command line:

[Channel]> RdmSetParameter invert_display 1