



# GEMINI

Series

RDM Chart

V2.3

For use with:

- Gemini 2x1 Soft FW Rev C5 and newer (RDM Software Version ID 0x00000004): January 5<sup>th</sup>, 2021
- Gemini 1x1 Soft FW Rev B2 and later (RDM Software Version ID 0x00000004): January 5<sup>th</sup>, 2021

# RDM Command Reference

**NOTE:** Set Gemini fixture IN/OUT to “Wired DMX/RDM IN”

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x01AA	Manufacturer ID# (Vitec Group)
<b>Device ID</b>		
Model ID	0x0102	Gemini 2x1 Soft
	0x0201	Gemini 1x1 Soft

Personality	DMX Personality
	0X01 P.1- CCT & RGBW Mode (8 bit) (FootPrint=12)
	0X02 P.2- CCT Mode (8 bit) (FootPrint=6)
	0X03 P.3- CCT & HSI Mode (8 bit) (FootPrint=10)
	0X04 P.4- RGBW Mode (8 bit) (FootPrint=8)
	0x05 P.5- HSI Mode (8 bit) (FootPrint= 6)
	0x06 P.6- CCT & RGBW Mode (16 bit) (FootPrint=20)
	0x07 P.7- CCT Mode (16 bit) (FootPrint=8)
	0x08 P.8- CCT & HSI Mode (16 bit) (FootPrint=16)
	0x09 P.9- RGBW Mode (16 bit) (FootPrint=14)
	0x0A P.10- HSI Mode (16 bit) (FootPrint=8)
	0x0B P.11- GEL Mode Extended (8 bit) (FootPrint=7)
	0x0C P.12- GEL Mode Extended (16 bit) (FootPrint=8)
	0x0D P.13- EFFECTS Mode (8 bit) (FootPrint=9)
	0x0E P.14- EFFECTS Mode (16 bit) (FootPrint=16)
	0x0F P.15- PRESETS TRIGGER Mode (8 bit) (FootPrint= 5)
	0x10 P.16- PRESETS TRIGGER Mode (16 bit) (FootPrint=7)
	0x11 P.17- GEL Mode (8 bit) (FootPrint=6)
	0x12 P.18- GEL Mode( 16 bit) (FootPrint=8)

### Category - Network Management

DISC_UNIQUE_BRANCH	0x0001	Discover RDM Devices
DISC_MUTE	0x0002	(G S) Mute device (no Discovery response)
DISC_UNMUTE	0x0003	(G S) Enable device for Discovery response

### Category - RDM Information

SUPPORTED PARAMETERS	0x0050	(G) Gets a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	(G) Gets a list of non-standard RDM commands

COMMAND	PID	DESCRIPTION
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**Category - Product Information**

DEVICE INFO	0x0060	(G) Gets info regarding the device
DEVICE MODEL DESCRIPTION	0x0080	(G) Gets description of controlled device (text)
MANUFACTURER LABEL	0x0081	(G) Gets label of controlled device (text= Vitec Group)
DEVICE LABEL	0x0082	(G, S) Gets or Sets descriptive label for device
SOFTWARE VERSION LABEL	0X00C0	(G) Gets software version

**Category - DMX512 Setup**

DMX PERSONALITY	0X00E0	(G, S) Gets or Sets DMX Mode
DMX PERSONALITY DESCRIPTION	0x00E1	(G) Gets description of the DMX Personality
DMX START ADDRESS	0x00F0	(G, S) Gets or Sets DMX Base Address
SLOT INFO	0x0120	(G) Gets the description from each slot (max 32 char text)
SLOT DESCRIPTION	0x0121	(G) Request an ASCII text description for DMX512 slot offsets

**Category - Sensors**

**0x02xx**

SENSOR DEFINITION	0x0200	(G) Gets the definition of a specific sensor
SENSOR VALUE	0x0201	(G) Gets the sensor data

**Category - Power / Lamp Settings**

**0x04xx**

DEVICE HOURS	0x0400	(G) Gets the total number of "ON" hours of device
LAMP HOURS	0x0401	(G) Gets the total number of "LAMP ON" hours of device
DEVICE POWER CYCLES	0x0405	(G) Gets the number of power cycles of device

**Category - Display Settings**

**0x05xx**

DISPLAY INVERT	0x0500	(G, S) Gets or Sets the display invert setting
DISPLAY LEVEL	0x0501	(G, S) Gets or Sets the display Dim Level

**Category - Control**

**0x10xx**

IDENTIFY DEVICE	0x1000	(G, S) Physically identify the device represented by the UID
RESET DEVICE	0x1001	(S) Instruct the responder to reset itself

COMMAND	PID	DESCRIPTION
<b>Category - Manufacturer Commands 0x8xxx</b>		
FAN MODE	0x8000	(G, S) Gets or Sets the Fan Mode of device FAN AUTO= 0x00 FAN OFF= 0x01 FAN DELAYED= 0x02 FAN ON (MAX)= 0x03 FAN DMX MODE= 0x04
HSI SATURATION CURVE	0x8001	(G, S) Gets and Sets the HSI Saturation Curve setting Linear Curve= 0 Log Curve= 1
DMX MODE CNTRL ENABLE	0x8002	(G, S) Gets and Sets the DMX Mode Cntrl Setting DMX Mode Cntrl Enabled= 0 DMX Mode Cntrl Disabled= 1
DMX VERSION	0x8003	(G, S) Gets and Sets the DMX Version setting Version 1= 0x00 (Original Gemini) Version 2= 0x01 (Extended Gemini with more Gels) Version CCT & HSI= 0x02 Version CCT & RGBW= 0x03
DMX TERMINATION [2]	0x8005	(G,S) Gets and Sets the DMX Termination DMX Termination Off=0x00 DMX Termination On=0x01

### Sensors

Sensor 1	Input Voltage (V)
Sensor 2	Power Output (W)
Sensor 3	LED Panel Temperature
Sensor 4	PCB Daylight Temperature
Sensor 5	PCB Tungsten Temperature
Sensor 6 [3]	PCB RGB Temperature
Sensor 7	Fan Speed (RPM)
Sensor 8	Sensor Faults

## Additional Notes

**[1] Moving forward units will have 10000K range parameter no longer Get/Set via RDM**

**[2] Gemini 1x1 Soft only**

**[3] Gemini 2x1 only**

