



GEMINI

Series

RDM Chart

V2.6

For use with:

- Gemini 2x1 FW Rev E1 and later
(RDM Software Version ID 0x00000008):
March 1st, 2023
- Gemini 1x1 FW Rev E1 and later
(RDM Software Version ID 0x00000008):
March 1st, 2023

Note: dark gray highlight on table entries signifies changes since prior revision.

RDM Command Reference

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

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x01AA	Manufacturer ID# (Vitec Group)

Device ID

Model ID	0x0102	Gemini 2x1 Soft
	0x0201	Gemini 1x1 Soft
	0x0202	Gemini 1x1 Hard
	0x0103	Gemini 2x1 Hard

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	P17: XY 8b (Footprint = 11)
0x12	P18: XY 16b (Footprint = 17)
0x13	S1: CCTRGBW 8b (Footprint = 12)
0x14	S2: CCT 8b (Footprint = 7)
0x15	S3: CCTHSI 8b (Footprint = 10)
0x16	S4: RGBW 8b (Footprint = 9)
0x17	S5: HSI 8b (Footprint = 7)
0x18	S6: CCTRGBW 16b (Footprint = 20)
0x19	S7: CCT 16b (Footprint = 10)
0x1A	S8: CCTHSI 16b (Footprint = 16)
0x1B	S9: RGBW 16b (Footprint = 14)
0x1C	S10: HSI 16b (Footprint = 10)
0x1D	S11: CCTRGBW C/F (Footprint = 18)

COMMAND	PID	DESCRIPTION
	0x1E	S12: CCT C/F (Footprint = 9)
	0x1F	S13: CCTHSI C/F (Footprint = 14)
	0x20	S14: RGBW C/F (Footprint = 14)
	0x21	S15: HSI C/F (Footprint = 10)
	0x22	S16: SUPREME 8b (Footprint = 20)
	0x23	S17: SUPREME 16b (Footprint = 38)

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

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

COMMAND	PID	DESCRIPTION
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
Category - Manufacturer Commands 0x8xxx		
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 TERMINATION [1]	0x8005	(G,S) Gets and Sets the DMX Termination DMX Termination Off=0x00 DMX Termination On=0x01
CCT COLOR MODE	0x8006	(G, S) Gets and Sets the CCT Color Mode settling Blackbody CCT Mode=0 BiColor CCT Mode=1
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 [2]		PCB RGB Temperature
Sensor 7		Fan Speed (RPM)
Sensor 8		Sensor Faults

Additional Notes

[1] Gemini 1x1 Soft/Hard & 2x1 Hard only

[2] Gemini 2x1 only

