DELL™

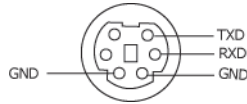**Dell™ 1200MP RS232 Protocol Pin Assignment (Facing Projector)**

RS232 Protocol

- Communication Settings

Connection settings	Value
Baud Rate:	19200
Data Bits:	8
Parity	None
Stop Bits	1

- Control command Syntax (From PC to Projector)

  [H][AC][SoP][CRC][ID][SoM][COMMAND]

- Example: power on the projector

  Enter the following code: 0xBE 0xEF 0x10 0x05 0x00 0xC6 0xFF 0x11 0x11 0x01 0x00 0x01

🖉 NOTE: Send least significant bytes first.

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Projector Response Message Table

Value	Response Message
0x00	Success
0x01	Invalid Command (on the control command list but not valid. e.g.Card Reader command while no card reader plug-in)
0x02	Error Command (includes CRC error and unknown commands)
0x03	System Status - Projector ON (Normal Mode)
NACK	System Status - Projector OFF (Standby Mode)
	NOTE: When the projector is in the standby mode, no acknowledgement (NACK) response is sent by the projector.

Projector Response Lamp Hour

The values for projector response hour are Byte0, Byte1, and Byte2

Value	Response Lamp Hour
Byte0	0x2F (the header of lamp hour)
Byte1	LSB (Hex)
Byte2	MSB (Hex)

eg: 800 (3x256+2x16=800) hours ? 0x2F, 0x20, 0x03

Firmware Version Response

Firmware version: 4 Bytes ASCII Code: "V*.*"

V: Version

*: 0-9

Ex: Version 1.5 ? "V1.5" ? 0x00, 0x30, 0x56, 0x31, 0x2E, 0x35(Success, header of FW Version, 4 Bytes ASCII Code: "V*.*")

- Control Commands List

Control Commands List	Address Code (BYTE)	Size of the Payload (WORD)	CRC16 for the entire packet (WORD)	MsG ID (WORD)	MsG size (WORD)	Command code (BYTE)	Command Description
0xefbe	0x10	0x0005	0xffc6	0x1111	0x0001	0x01	Power on
			0xbfc7			0x02	Menu
			0x7e07			0x03	Up
			0x3fc5			0x04	Down
			0xfe05			0x05	Left
			0xbe04			0x06	Right
			0x7fc4			0x07	Resync
			0x3fc0			0x08	Source
			0xfe00			0x09	Volume+
			0xbe01			0x0a	Volume-
			0xffc3			0x0d	Mute
			0x7e02			0x0f	Hide
			0x3fca			0x10	Video Mode
			0x7fcb			0x13	V. Keystone Up
			0x3e09			0x14	V. Keystone Down
			0x7e08			0x17	Aspect ratio (4:3/16:9)
			0x3e0c			0x18	Power OFF
			0xffcc			0x19	Source-VGA
			0xbfcd			0x1a	Source-VGA YPbPr (480p/576p/720p/ 1080i)
			0x7e0d			0x1b	Source-VGA YCbCr (480i/576i)
			0xbe1f			0x22	Source-S-Video
			0x7fdf			0x23	Source-Composite
			0xbfd9			0x2a	ECO Mode ON
			0x7e19			0x2b	ECO Mode OFF
			0x3fdb			0x2c	Auto Source ON
			0xfe1b			0x2d	Auto Source OFF
			0xbe1a			0x2e	Factory Reset
			0x7fda			0x2f	Lamp Hour
			0x3e12			0x30	Firmware Version
			0x7e46			0xff	System Status