

DR-VE-10-MO RS232 Protocol

DR-VE-10-MO uses an USB to RS232 converter to communicate. Below, the list of commands:

Communication channel:**RS232 link settings:**

115200 bps

1 stop bit

No parity

No data flow control

Set commands:

Allows the user to change parameters.

Command	Value	Effect	Example
GD	0 to 1000	“Gain” parameter adjustment	GD 1000
XP	0 to 1000	“Crosspoint” parameter adjustment	XP 1000
AM	0 to 1000	“Amplitude” parameter adjustment	AM 1000
P	ON or OFF	Enable or disable the amplifier	P ON

Each command ends by a carriage return (carriage return ‘CR’ code ASCII 13)

If the command is valid, the system returns the sent value or “OK”

If an error occurs, the system returns: “ERR”.

Get commands:

Returns a parameter's value or other read-only data.

Command	Effect	Value
GD?	Returns the "Gain" parameter value	0 to 1000
XP?	Returns the "Crosspoint" parameter value	0 to 1000
AM?	Returns the "Amplitude" parameter value	0 to 1000
P?	Returns the Driver status	ON or OFF
T?	Returns the internal temperature (°C)	-40 to +85
SN	Returns the Driver Serial Number	#####
F?	Returns the Firmware version	

Save/Restore commands:

SV	Save Gain / Crosspoint / Amplitude values and ON/OFF state to internal memory. Those saved values will be restored the next time that the DR-VE-10-MO reboots or if the MDC command is used.	OK
MDC	Restore Gain / Crosspoint / Amplitude values and ON/OFF state that were saved with the SV command.	OK