

GPSRXNV

GPS RECEIVER

MODEL **GPSRXNV-00**



ORDERING INFORMATION

Model	Description
GPSRXNV-00	External GPS Receiver.

OPTION

/DST10	Adds (3x) auxiliary outputs at 10MHz and (2x) auxiliary outputs at 1pps.
/DSTB-GPSRX	10MHZ 1PPS Distributor.



GPSRXNV-00

GPS Receiver.

FEATURES

- The GPSRXNV is designed to being contained into a 19" rack box of 1HE.
- The different functions are performed by modules with most connections achieved through male and female connectors or through flat cables terminated by connectors.
- This design facilitates maintenance and module replacement.
It contains a buffer battery, to avoid possible lack of power supply, and its internal battery charger.
- Four LEDs on the front panel provide the following status indications: AC-ON, DC-ON, EBO-OK and GPS-LOCK.
- Comes with N-type connector for GPS antenna input, BNC connector for 1PPS output signal, BNC connector for 10MHz sync signal and a DB9 connector for status alarm signaling.

GPSRXNV-00

Parameters		Value	Notes
GENERALS			
Operation temperature		0°C +50°C	
Storage temperature		-40°C +85°C 0°C +50°C	
Operating temperature		0°C 85°C,	Without condensation
POWER REQUIREMENTS			
C.A. power supply			
C.C. power supply	VDC		
MECHANICAL DIMENSIONS			
Phisical dimensions	L x H x W	mm / inch	483 / 19
		mm / inch	44 / 3 1/2 1HE
Weight		kg	About 4
AUDIO INPUTS			
Antenna input			
Connector	Impedance		BNC
Accuracy to UTC, with GPS locked			± 50 ns (1σ)
GPS System			Integrated
OUTPUTS			
Connector			N-type 5V output for antenna power supply
Typical level			TTL
10MHz output frequency accuracy			<± 2 x 10 ⁻¹²
1pps TTL output			
10MHz output			
Connector			BNC
Signal form			Sinusoidal
Typical level			5 dBm / 50Ω
Harmonic distortion		dBc	-25
Connectors			
INTERFACES			
RS232 serial interface		DB9	Female connector to connect the receiver to an ext. devices for prog.
ALARMS interface		DB9	Male connector signaling of alarm status

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

GPSRXNV

GPS RECEIVER

MODEL **GPSRXNV-01**



ORDERING INFORMATION

Model	Description
GPSRXNV-01	External GPS Receiver with antenna.

OPTION

/DST10	Adds (3x) auxiliary outputs at 10MHz and (2x) auxiliary outputs at 1pps.
/DSTB-GPSRX	10MHZ 1PPS Distributor.



GPSRXNV-01

GPS Receiver.

FEATURES

- The GPSRXNV is designed to being contained into a 19" rack box of 1HE.
- The different functions are performed by modules with most connections achieved through male and female connectors or through flat cables terminated by connectors.
- This design facilitates maintenance and module replacement.
It contains a buffer battery, to avoid possible lack of power supply, and its internal battery charger.
- Four LEDs on the front panel provide the following status indications: AC-ON, DC-ON, EBO-OK and GPS-LOCK.
- Comes with N-type connector for GPS antenna input, BNC connector for 1PPS output signal, BNC connector for 10MHz sync signal and a DB9 connector for status alarm signaling.

GPSRXNV-01

Parameters		Value	Notes
GENERALS			
Operation temperature		0°C +50°C	
Storage temperature		- 40°C +85°C 0°C +50°C	
Operating temperature		0°C 85°C,	Without condensation
POWER REQUIREMENTS			
C.A. power supply			
C.C. power supply	VDC		
MECHANICAL DIMENSIONS			
Phisical dimensions	L x H x W	mm / inch	483 / 19
		mm / inch	44 / 3 1/2 1HE
Weight		kg	About 4
AUDIO INPUTS			
Antenna input			
Connector	Impedance		BNC
Accuracy to UTC, with GPS locked			± 50 ns (1σ)
GPS System			Integrated
OUTPUTS			
Connector			N-type 5V output for antenna power supply
Typical level			TTL
10MHz output frequency accuracy			<± 2 x 10 ⁻¹²
1pps TTL output			
10MHz output			
Connector			BNC
Signal form			Sinusoidal
Typical level			5 dBm / 50Ω
Harmonic distortion		dBc	-25
Connectors			
INTERFACES			
RS232 serial interface		DB9	Female connector to connect the receiver to an ext. devices for prog.
ALARMS interface		DB9	Male connector signaling of alarm status

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GPSRXNV

GPS RECEIVER

MODEL **GPSRXNV-02**



ORDERING INFORMATION

Model	Description
GPSRXNV-02	External GPS Receiver (PTX CONFIG.)

OPTION

/DST10	Adds (3x) auxiliary outputs at 10MHz and (2x) auxiliary outputs at 1pps.
/DSTB-GPSRX	10MHZ 1PPS Distributor.



GPSRXNV-02

GPS Receiver.

FEATURES

- The GPSRXNV is designed to being contained into a 19" rack box of 1HE.
- The different functions are performed by modules with most connections achieved through male and female connectors or through flat cables terminated by connectors.
- This design facilitates maintenance and module replacement. It contains a buffer battery, to avoid possible lack of power supply, and its internal battery charger.
- Four LEDs on the front panel provide the following status indications: AC-ON, DC-ON, EBO-OK and GPS-LOCK.
- Comes with N-type connector for GPS antenna input, BNC connector for 1PPS output signal, BNC connector for 10MHz sync signal and a DB9 connector for status alarm signaling.

GPSRXNV-02

Parameters		Value	Notes
GENERALS			
Operation temperature		0°C +50°C	
Storage temperature		- 40°C +85°C 0°C +50°C	
Operating temperature		0°C 85°C,	Without condensation
POWER REQUIREMENTS			
C.A. power supply			
C.C. power supply	VDC		
MECHANICAL DIMENSIONS			
Phisical dimensions	L x H x W	mm / inch	483 / 19
		mm / inch	44 / 3 1/2 1HE
Weight		kg	About 4
AUDIO INPUTS			
Antenna input			
Connector	Impedance		BNC
Accuracy to UTC, with GPS locked			± 50 ns (1σ)
GPS System			Integrated
OUTPUTS			
Connector			N-type 5V output for antenna power supply
Typical level			TTL
10MHz output frequency accuracy			<± 2 x 10 ⁻¹²
1pps TTL output			
10MHz output			
Connector			BNC
Signal form			Sinusoidal
Typical level			5 dBm / 50Ω
Harmonic distortion		dBc	-25
Connectors			
INTERFACES			
RS232 serial interface		DB9	Female connector to connect the receiver to an ext. devices for prog.
ALARMS interface		DB9	Male connector signaling of alarm status

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