



- The antennas aiming system is made of a base device **GPS BEACON RX** (GROUND), which consist of the WAVENET rotors control unit and YAESU two motors (azimuth and elevation), with all the cable looms and ironwork necessary.
- This base device is able to read the remote system position information supplied through the equipped serial port. This information, joined to the own **GPS BEACON RX** position information is used to make the required aiming.
- The base device **GPS BEACON RX** based on the own location and remote position information, generates the control signal which allows automatically activate the azimuth and elevation motors to aim to remote vehicle position.

TRACKER 01

ANTENNA AIMING SYSTEM

BASE DEVICE TECHNICAL SPECIFICATIONS

Power supply:	90-260 VAC (IEC)
Indications TRC-01 management:	<ul style="list-style-type: none">- Power on: 1 LED (ON)- Data receiving: 1 LED (RX)
Menu selection:	4 buttons keyboard
Indications manual motors control:	Elevation and Azimuth analogue indication in degrees
Manual motors keyboard	4 keys UP / DOWN / LEFT / RIGHT
Display:	Backlit LCD screen 2x16 characters showing
Serial connector:	DB-9 female (RX- pin 3, GND pin 5), 115200bps, 8N1.
Active GPS antenna connector:	SMA female
Motors cables connectors:	XLR 7 male
Enclosure:	Folded aluminium
Measures:	430x240x130 mm3 standard units rack 19"
Weight:	5.5 kg

ROTOR SPECIFICATIONS

Rotor power up:	22 VDC
Rotation time (no load):	Elevation (180°): 65 sec ±20% Azimuth (360°): 60 sec ±20%
Rotation range:	Elevation: 180° Azimuth: 450°
Rotation Torque:	Elevation: 1,200 kgf-cm Azimuth: 600 kgf-cm
Brake Torque:	Elevation : 4,000 kgf-cm Azimuth: 4,000 kgf-cm
Maximum vertical load:	Elevation n: 30 kg or less (continuous) Azimuth: 200 kg or less (continuous)
Mast external diameter:	38 to 63mm
Boom external diameter boom:	32 to 43mm
Charge surface to wind:	1.0 m ² or less
Maximum continuous operation:	3 minutes
Thermal Range	0°C a +40°C (Controller) -20°C to +40°C (Rotator)
Rotor measures:	254 x 349 x 190 mm
Rotor weight:	9 kg