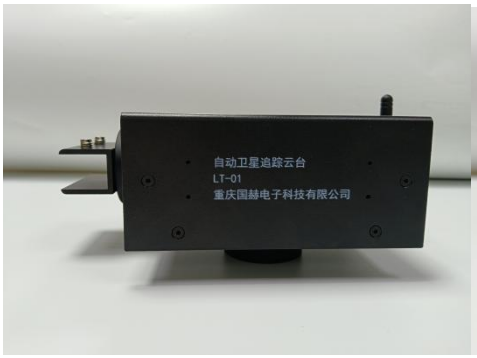
LT-01 Portable Backpack

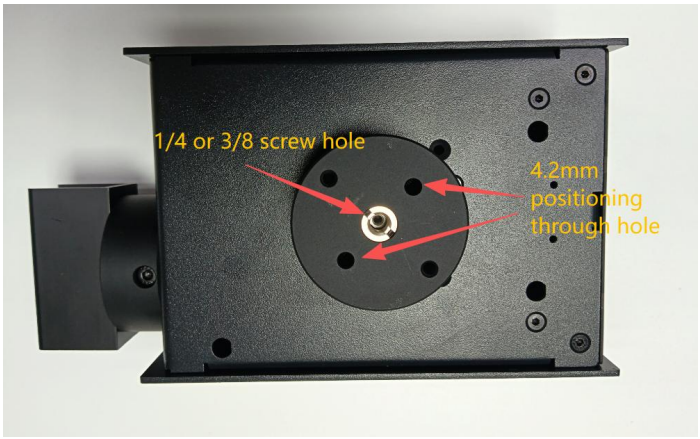
Auto Satellite Tracking PTU

Product Details

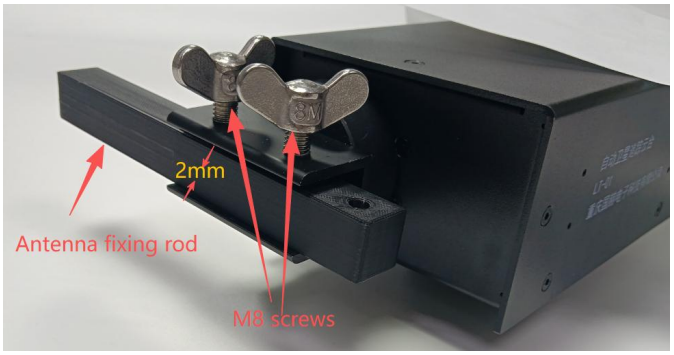








M4 threaded holes, 38mm spacing, 4.2mm through-hole diameter; detachable 3/8 adapter screw



Quick-release antenna clamp, 2 cm; Screw, M8, pitch 1.0 mm

Dual- mode Bluetooth;
Operating this device requires basic knowledge of electrical wiring, computers and networking. HAMs without relevant background knowledge are not recommended to use this unit.
Incorrect wiring may damage this unit and connected equipment.
Please read manual thoroughly before use.

This manual may contain errors or omissions， feedback is welcome.

This is a backpack—style, handheld, desktop and educational satellite rotator.
Designed for antennas under 1 kg. Antenna weight balancing is mandatory during installation.
Improper antenna mounting may prevent rotation or damage the rotator motor.

LT-01 Key Features

- Built- in dual- mode Bluetooth, supports SPP 2.1 + BLE 5.1, compatible with Android and iOS systems.
- Supports HRD, Orbitron, Satellite Tracking, N1MM, LOGG32 and other software; All PC software and mobile apps compatible with the GS-232B protocol can be used for control.
- Supports Bluetooth control via Look4Sat App， Automatic protocol detection， Version 3.2.2 is recommended.
- Built-in independent 2-channel 12-bit high-precision electronic angle sensor!
- Real-time acquisition of azimuth and elevation angle values
- No jitter or drift, immune to geomagnetic interference.
- Integrated USB TYPE- C composite port for firmware upgrade, parameter configuration and power supply.

Power Supply

- USB power supply: 5V 1A;
- Barrel jack power input: 12V (7-15V wide voltage) 1A;

Rotation Features

- Supports preset minimum- angle directional control
- Power-on auto-return to home position.
- Both azimuth and elevation support 360° continuous rotation, with arbitrary home position memory.
- Shortest-path rotation logic.

Auxiliary Installation Features

- Universal mounting base compatible with antenna clamp
- Base with locating holes
- 1/4" or 3/8" standard screw holes

Dimensions & Weight

Dimensions: 200 × 105 × 90 mm
Total weight: 1.2 kg

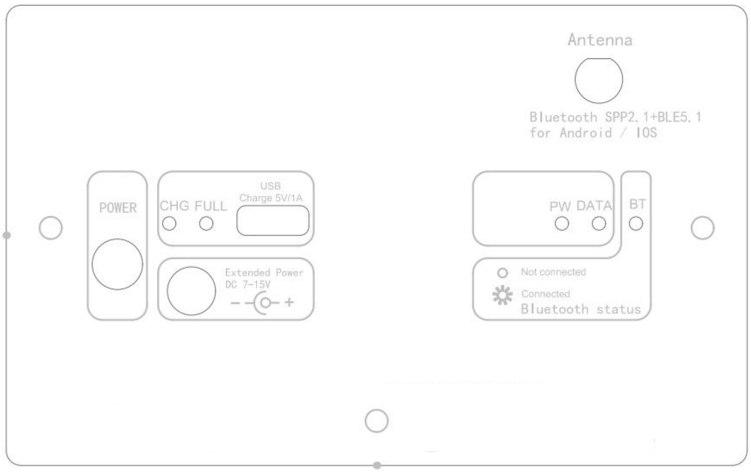




The actual product follows the display image;

Tripod, feeder cable, and power bank are for demonstration only and are not included in this order.

Front panel preview image



POWER button: Power switch

Extended Power: External power input DC 7–15V wide-voltage input, 1A, powers the main board; Power supply only; does not charge.

USB: 5V/1A,power supply;

DATA: Flashes during data transmission and reception.

BT: Bluetooth connection indicator ,Solid on: Connected Off: Not connected

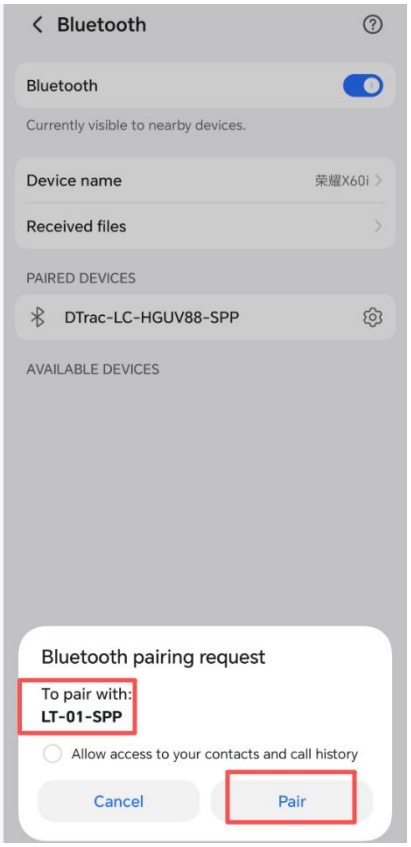
Blinks once for self-test on power-up.

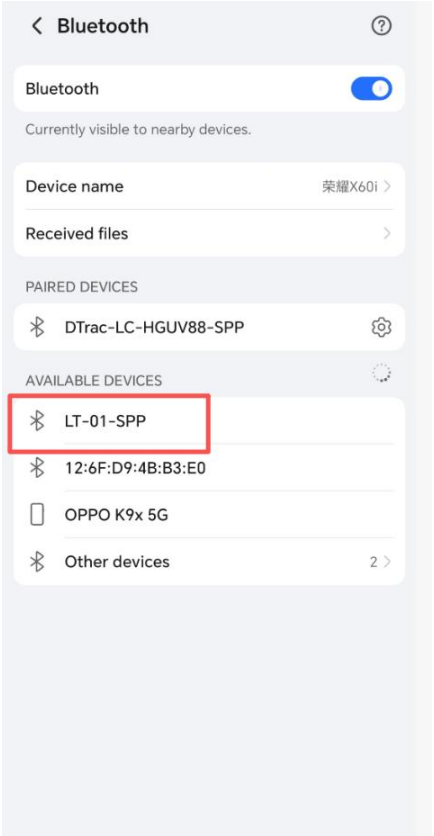
Bluetooth pairing

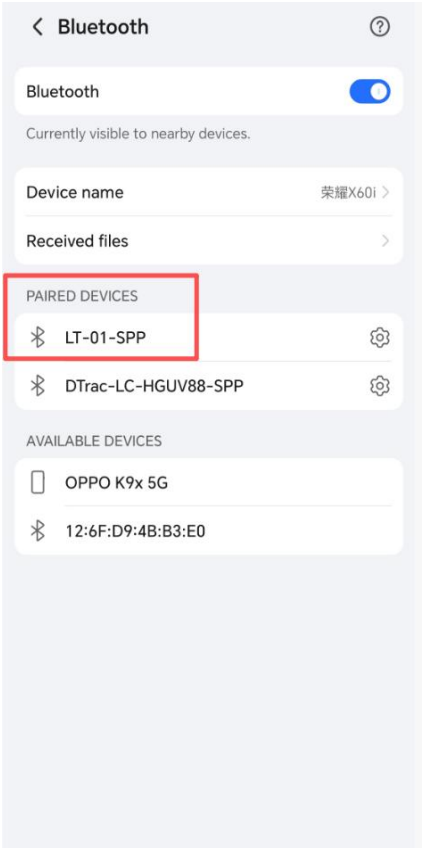
This device is equipped with dual-mode Bluetooth (SPP + BLE).

SPP mode requires pairing. No password is needed.

BLE mode does not require pairing.







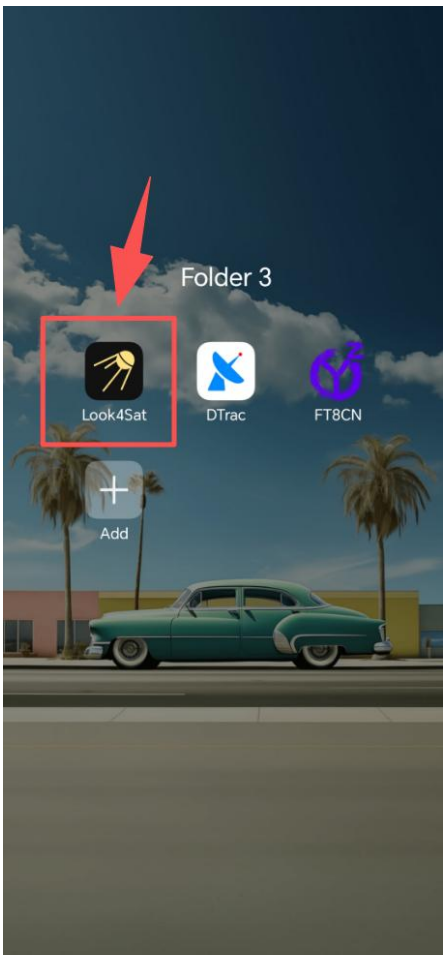
Look4Sat

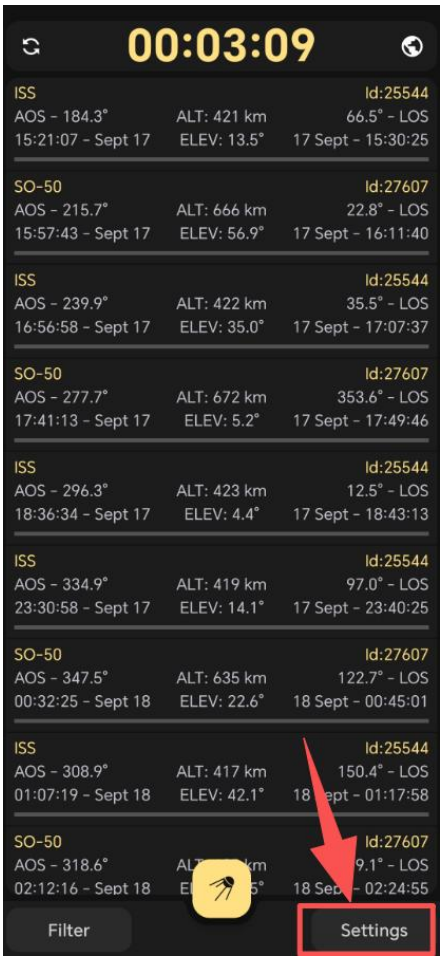
The device automatically sets Bluetooth SPP MAC address: 00:0C:BF:13:80:5D

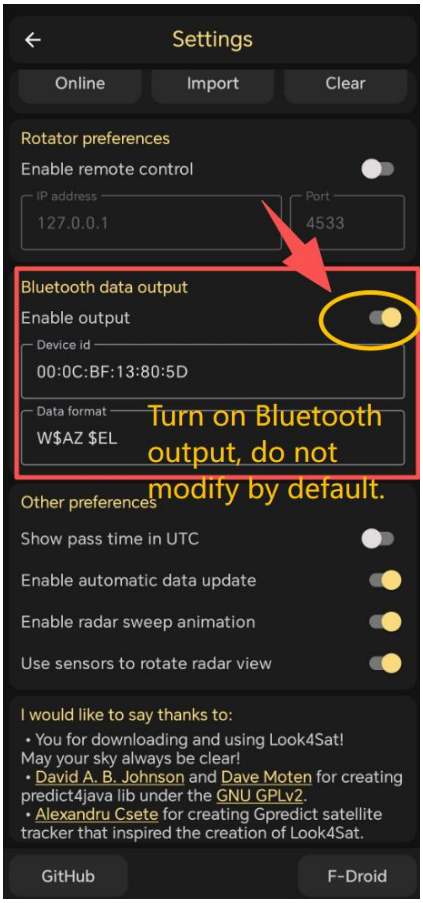
Automatically recognizes Look4Sat commands.

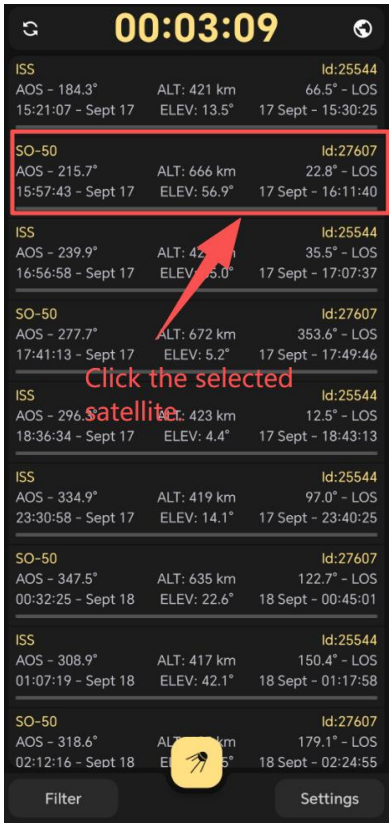
It will stop automatically 5 seconds after the Look4Sat APP connection is disconnected.

Version 3.2.2 is recommended.













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Address: Units A2-4, Zone E, Shuguang Industrial Park, Cuntan Subdistrict, Haier Road, Jiangbei District, Chongqing

After-sales email: service@guohedz.com