TV SAT 2.5B

Installation Manual

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1. Introduction

1.1 Safety Information

Please read the user manual carefully before you start the installation. If you have already installed similar products, the procedure may not be the same as for this product.

- Improper handling can cause serious damage to this device. Those responsible may also be held responsible for any resulting further damage to the equipment.

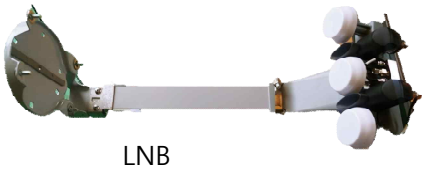
- The antenna is only suitable for mobile use. Mounting on the vehicle is not permitted. Failure to observe this rule will invalidate any warranty claim.

- Please check the correct operating voltage of your power supply before commissioning. Please refer to specification in this user manual for the operating voltage of the device.

- The control unit must not be exposed to dripping water, splashing water or other liquids.

- Do not let children play with foils or other package materials, there is a danger of suffocation.

1.2 Components



LNB

Antenna unit

Tripod

Power Inserter

10M Coax

1M Coax Cable

Antenna unit
Hard case

Reflector bag

Camping Peg

Knob Nut

LNB + Tripod

Camping Peg bag

1/4" Reflector
Nut (2)

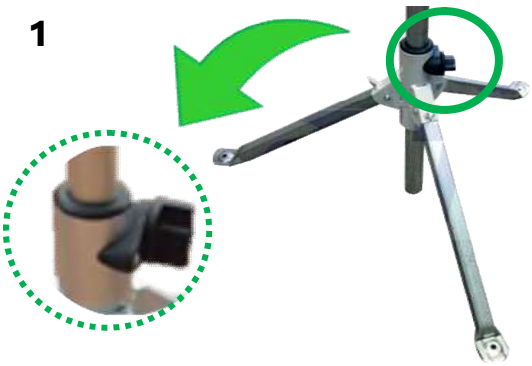
2. Installation

2.1 Connection of the components

Install the control unit and the set-top box is not inside the vehicle in the region of an airbag. Maintain a careful installation of the cable in order to avoid short circuits. Pay attention also to existing cables.

Connect the antenna as shown in the illustration below :

1



Fix legs on the ground with tent pegs.

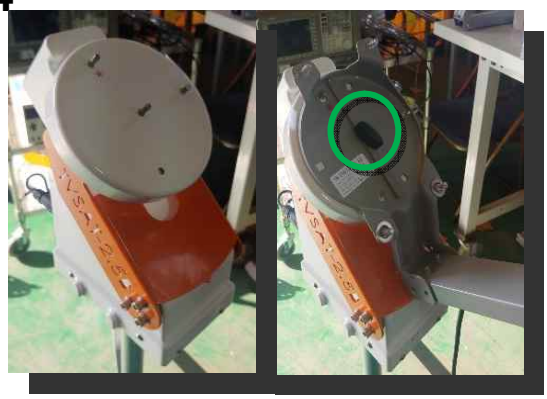
2

Fix legs on the ground with tent pegs.

3

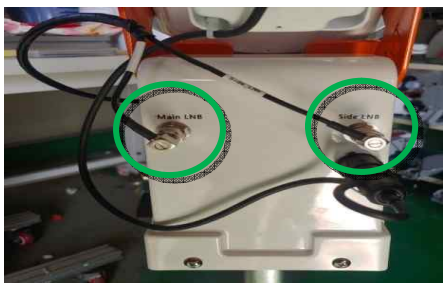
Put the body on tripod and fasten the knob.

4



Put it on the star and put the lobe

5



Connect Main LNB and Side LNB connectors.

6

Put the antenna dish on the dish bracket and fix with bolt and nut at marked area

7

Connect to the connecting diagram.

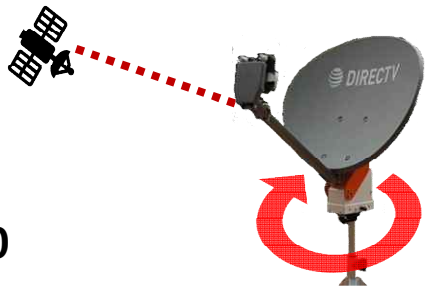
8

Turn on the power adapter.

9

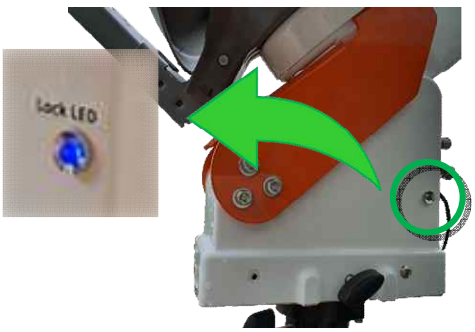
Turn on the set-top box.

10



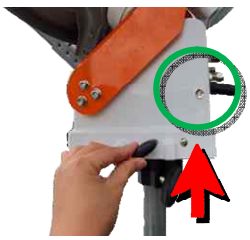
Antenna starts scanning satellites in full EL/AZ range (It takes about 5~10 min for full scanning).

11



Antenna starts scanning satellites in full EL/AZ range (It takes about 5~10 min for full scanning).

12



Tighten the lockingknob in order to secure the pointing to target satellite. The light will continue when it is locked enough

- Connection Chart -

3. Troubleshooting

No satellite signal

Objects such as trees, bridges and large houses located at the satellite's angle of incidence cause the signal to be lost. If the satellite signal is lost due to severe weather conditions, the current program of the TV or receiver will be interrupted (the picture will pixelate, freeze or disappear). When the weather conditions allow good reception again, the TV picture will be restored.

Is there dirt on the antenna?

Heavy dirt on the housing can cause reception problems.

Is everything correctly connected and switched on?

Make sure that the TV and the receiver are connected correctly and that the receiver I correctly set for satellite reception. Are all cables connected correctly and the connections crew tightly onto the coaxial cable? Also check the coaxial cable for kinks.

Footprint of the satellite

Satellite are in fixed positions above the equator in orbit. In order to receive the TV signals, the receiving location must be within the footprint. In the peripheral areas of the footprint, reception interference may occur.

Satellite frequency of a TV channel was changed

TV stations change their frequency sporadically, which then no longer matches the frequency in the receiver. Ask for the current frequency of the channel.

The firmware of the control unit is outdated

If transponders on the satellite are changed, the antenna may no longer be able to find the satellite. Update the firmware of the control unit to get the latest transponder information.

The mobile app does not connect to control unit

Make sure the Bluetooth® on your mobile device is switched on and that you are in the direct vicinity of the control unit (max. 10 metres).

4. Specifications

Model	TVSAT 2.5B
Antenna Type	Parabola
Frequency	Dish net
Weight	3.8 kg
Antenna Gain	Dish net
Polarization	CP
Stabilized Type	2-Axis Step motor
AZ Range	Endless
EL Range	10° ~ 60°
SK Range	-40° ~ 50°
Temp	-20° ~ 70°
Power	24V dc, 1.3A
Telecomunication	BLE

1. FCC Compliance Statement(Part 15.19 (3))
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. FCC Interference Statement(Part 15.105)
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

3. FCC Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

4. FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

5. Precaution

1. Keep this 'Manual' for your safe usage.

2. Please be aware all information of this product. And operate the TVSAT in proper way.

3. Please handle the TVSAT product carefully. Do not drop the TVSAT and avoid excessive shock or vibration to the TVSAT.

4. Do not operate near any indoor or outdoor heat source such as radiators, heat registers,

5. Do not stack the TVSAT on top of or below other electronic devices as this can cause heat buildup or block the satellite signal from reaching the TVSAT.

6. Do not power wash and submerge the TVSAT or place in standing water.

7. To avoid risk of electrical shock, unplug the power injector before connecting the TVSAT in damp or wet conditions.

8. Do not coat or paint the TVSAT with any substance.

9. Tighten all of the coax cable connections only by hand. If you use a wrench, you may over tighten the connections and damage your equipment.

10. Servicing may be required if the unit has been dropped or damaged in any way or if the unit does not operate normally.

►Maximum target Power

Worst case Mode	Target Power [dBm]	Allowed Tolerance [dB]	Max Tune Up Power [dBm]	Measured Power [dBm]
BLE_Lowest_ANT1	-15	1	-14	-15.21
BLE_Middle_ANT1	-15	1	-14	-14.90
BLE_Highest_ANT1	-15	1	-14	-14.34