

GPS+BDS+GLONASS

GNSS Signal Transfer
Instruction Manual

Model Tzt-ZF330A-50dB

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Please read this instruction manual carefully before installation.
Subject to technical changes without notice

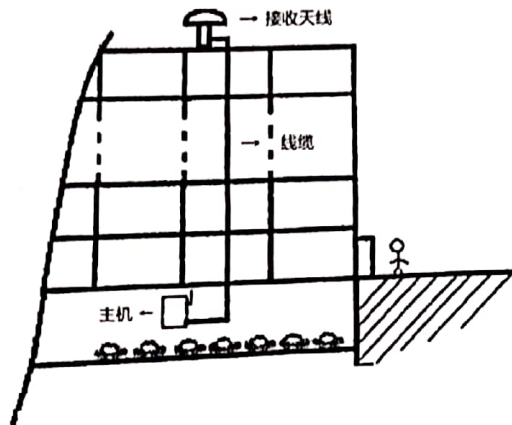
Packing List

Number	Name	Quantity
1	Receive antenna	1
2	Transmitting antenna	1
3	Forwarding host	1

Precautions

1. The receiving antenna must be installed in an open, unobstructed place.
2. The receiving antenna mushroom head part must be placed vertically
3. If the receiving antenna is installed on the top of the building, it needs to be equipped with lightning protection device on the top of the building. The receiving antenna is installed within the protection range of the lightning protection device.
4. The receiving antenna cable must be fixed to the wall to avoid excessive damage to the mushroom head of the receiving antenna.
5. The host is placed in the central part of the area where signal coverage is required for optimal use.
6. The linear distance between the host and the mushroom head of the receiving antenna should be more than 15 meters. If there is a wall barrier, the distance can be shortened appropriately.
7. Transmitting antenna installed vertically

Installation diagram



Host Debugging

1. Place the host in the center of the site and connect the receiving antenna and transmitting antenna.
2. Plug in the power plug, turn on the power switch, and the power indicator lights up.
3. Turn on the GPS device (navigation, GPS module, navigation phone) and open the satellite status interface. Wait a moment, you will see the satellite signal strength.

System Component Technical Parameters

1. Receive antenna
2. Transmitting antenna
3. Host

Frequency Range (MHz)	□1575 □1575/1561 □1602
Amplification gain (dB)	≥37
Cable length (M)	□15 □20 □25 □30
Interference suppression (dB)	≥20 (f0±100MHz)

Frequency Range (MHz)	□1575 □1575/1561 □1602
Antenna gain (dB)	≥3
Standing wave ratio	≤1.5

Frequency Range (MHz)	□1575 □1575/1561 □1602	
Amplification gain (dB)	TF200+	50
	TF300+	75
	TF400+	100
Adjust the gain range (dB)	31	
Dimensions (mm)	□110*64*37 □250*230*64	
Power Supply	220V~AC	

Fault

Power light is not lit	<ol style="list-style-type: none"> 1. Check if the plug is plugged in . 2. Whether the rear fuse is burnt out. (TF series)
The transmitted signal is weak and the distance is short	<ol style="list-style-type: none"> 1. Adjust panel gain button. (TF series) 2. Check if the receiving antenna is blocked by metal objects or buildings. 3. Check if the transmitting antenna is vertical and connected well.
no signal	<ol style="list-style-type: none"> 1. Check if the power supply is in good contact. 2. Check if the connectors are well connected. 3. Check if the distance between the mushroom head and the host of the receiving antenna reaches the distance requirement (see Installation Note 6).