

**TOZED**  
TOZED ZLT P90 Wireless  
Data Terminal



# TOZED ZLT P90 Wireless Data Terminal User Manual

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# TOZED

**TOZED ZLT P90 Wireless Data Terminal**



## Specifications

Dimensions: 140mm

## Product Information

The product features advanced technology for optimal performance and functionality. It is designed to provide efficient and reliable operation for various applications.

## Product Usage Instructions

### Step 1: Initial Setup

Ensure all components are included in the package. Place the product on a stable surface and connect it to a power source using the provided cable.

## Step 2: Power On

Press the power button to turn on the product. Wait for the indicator lights to show that the product is ready for use.

### Step 3: Operating the Product

Refer to the user manual for detailed instructions on operating the product. Use the control panel or remote control, if applicable, to adjust settings as needed.

### Step 4: Maintenance

Regularly clean the product according to the maintenance guidelines provided in the user manual. Keep the product away from water and extreme temperatures to ensure longevity.

## FAQ

- **Q: How do I troubleshoot if the product is not working?**

- A: Check the power source, connections, and user manual for troubleshooting steps. If issues persist, contact customer support for assistance.

• **Q: Can I use the product outdoors?**

- A: The product is designed for indoor use. Using it outdoors may damage the product and void the warranty.

Thank you for choosing our wireless data terminal product. In order to make you better use the terminal, please read this manual carefully and keep it for use after reading.

The company reserves the right to modify the technical parameters and specifications of this manual. We will timely improve the printing errors and inconsistencies with the latest information. All changes will be made without prior notice. We reserve the right of final interpretation.

ZLT P90 is an outdoor CAT12 4G CPE, which converts 4G wireless network data to wired network port data. The device adopts built-in high-gain directional antenna and omni-directional antenna, and is equipped with a 2.5Gbps wired network port for non-blocking data transmission. Suitable for home or business scenarios requiring rapid deployment of communication networks.

### **Main technical indicators of products**

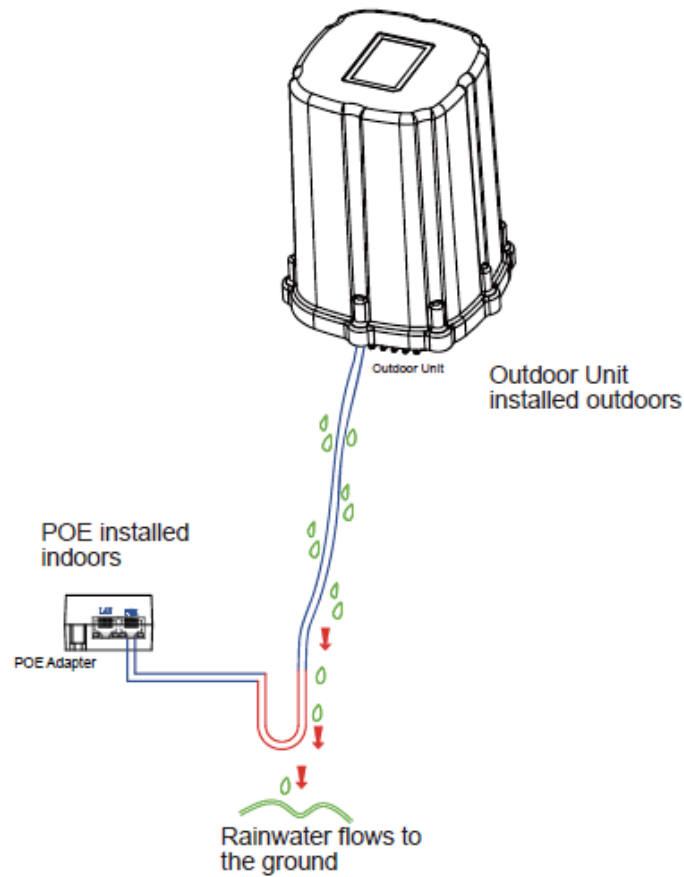
- **Operating temperature**
- **Direct sunlight:** -40°C—50°C; Other -40 °C to 55 °C Storage
- **temperature:** -40°C—70°C
- **Relative Humidity:** 5%—95%
- **Power supply:** POE power supply, 24V/1A (placed indoors, working temperature -20 °C)
- **Size:** 132 mm \* 132 mm \* 176 mm
- **Weight:** about 600g (+40°C)

### **Installation instructions**

1. Take out the outdoor wireless data terminal, install the bracket and the outdoor wireless data terminal together, and integrate the bracket and the outdoor wireless data terminal, and fix the bracket and the outdoor wireless data terminal in the position that needs to be installed, such as the roof of the building, the window, and the pole.
2. Install the SIM card into the card slot according to the direction marked on the terminal, and lock the cover of the card slot and the waterproof pad of the card slot cover to the SIM card with screws.
3. According to the actual situation, choose the appropriate length of RJ45 network cable (Less than 100m in length), pay attention to the use of standard 8-core network cable, CAT5E cable or CAT6 network cable. On the cable, put on the waterproof protective cover, and insert the cable into the RJ45 network port.
4. There are two ways to supply power to outdoor wireless data terminals. One is to cooperate with ZLT W304VA PRO, the indoor unit of our company, to supply power from WAN port of the indoor unit. In this way, only the network cable connected to the outdoor unit is connected to WAN port of the indoor unit, and then the indoor unit is powered, and the outdoor unit can start and work. Another way is to purchase our standard POE power supply, connect the network cable connected to the POE port of the POE power supply, and then insert the POE power supply into the 220V power socket, you can give the outdoor power supply.

### **Attention**

1. Do not install SIM card live.
2. When take the SIM card, do not touch the metal contact surface to avoid electrostatic damage to the card.
3. When the terminal is connected to the POE adapter, reserve a length of the network cable in a U-shape, so that the adapter is higher than the lowest point of the network cable to prevent the adapter from being damaged by rain. The connection diagram between the adapter and CPE is as follows:



## About the data terminals

This terminal can work under 4G (LTE) /3G network, and can be used with POE power supply or equipped with our indoor machine.

## Appearance Interface Introduction



Figure 1 Appearance diagram



Figure 2. Appearance view

Interface	Interface uses	Remarks
LAN	Ethernet interface for POE power supply or WAN port of ZLT W304VA PRO	
SIM	SIM card interface, please insert the SIM card correctly according to the direction marked.	Please do not plug in the SIM card while it is alive.

## Indicator



Indicator	State	Description
POW	off	Power supply abnormal, terminal shut down
	Blue	Power supply is normal, terminal is on
RUN	Blue	The connection network is normal
SIM	off	SIM card is not inserted or the SIM card is inserted backwards and the contact is poor
	Blue	SIM card is normal
ETH	off	The network connection is abnormal
	Blue	Network port connection is normal
	flashing	There is data receiving and receiving at the network port
RF	off	No signal
	Blue	The number of signal bars shows that the more lights on, the stronger the signal, and 4 bars means the signal is good

### Access to the Internet

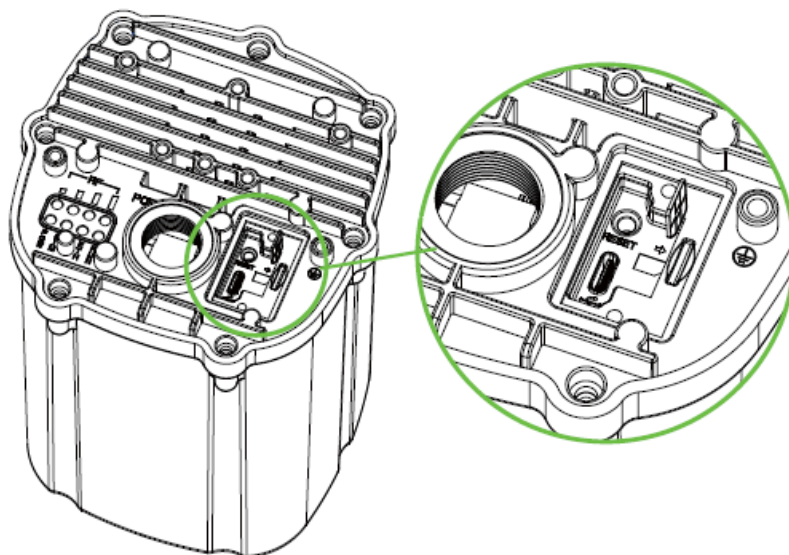
The terminal supports RJ45 standard network cable way to connect the computer, without any driver. Support Windows XP, Windows 7, Windows 8, Windows 10, Mac OS Linux, Android and other operating systems.

Primary menu	Secondary menu	Operational instructions
Home Page	Network State Information	Can check WAN wireless information and network parameters. Check signal strength and network IP.
System Status	WAN status information	View mobile network information and IP addresses obtained under various APN.
	DHCP	View LAN side DHCP status and connection device list.
	2.4G Wi-Fi status (Optional)	View 2.4G Wi-Fi network information and user information.
	5G Wi-Fi status (Optional)	View 5G Wi-Fi network information and user information.
	Device Information	View device running status, memory usage, etc.

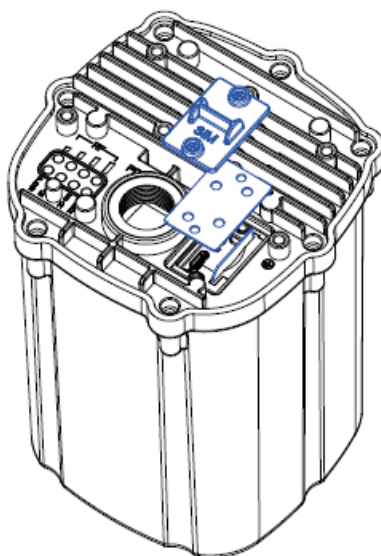
Internet Function	Mobile network configuration	Set up network mode, flight mode, data switch, PLMN scanning, etc.
	APN	Set APN parameters. This need to be set according to the requirements of the Operator, changes may lead to no access to the network. Default settings are recommended.
	SIM card function	Setting PIN codes.
Wi-Fi (Optional)	2.4G Wi-Fi configuration	Can turn on/off Wi-Fi function, view/change Wi-Fi SSID, password, encryption mode, channel, etc. Users can modify the SSID, password and encryption method of the data terminal Wi-Fi from here. The channel number is the current channel used by the data terminal, which can be modified by the user. Non-professionals are not recommended to modify, otherwise it may lead to abnormal Wi-Fi work.
	5G Wi-Fi configuration	Can turn on/off Wi-Fi function, view/change Wi-Fi SSID, password, encryption mode, channel, etc. Users can modify the SSID, password and encryption method of the data terminal Wi-Fi from here. The channel number is the current channel used by the data terminal, which can be modified by the user. Non-professionals are not recommended to modify, otherwise it may lead to abnormal Wi-Fi work.
Device Settings	DHCP Settings	Set DHCP parameters, for example, gateway, IP address pool, DNS, lease time, etc.
	VPN Settings	L2TP function and GRE settings.
	IP Passthrough	Set IP Passthrough function.
	Routing Configuration	Set parameters of static routing.
Firewall	Filtering Rules	Configure DMZ, Port Mapping, Filter Rules (Port filter, IP-Port filter, MAC filter, URL filter), IP MAC banding, ACL firewall, etc.
Management	System Settings	Change password: modify the password of the login terminal configuration page. Restore factory setting: restore terminal to factory setting state. Time setting: set terminal system time.
	System Log	System logs to record device operations.
	Export Log	Reserved for internal troubleshoot.
	System Upgrade	Upgrade system files, need professional operation.
	Network Tools	Ping, Trace function.

## Installation Instructions

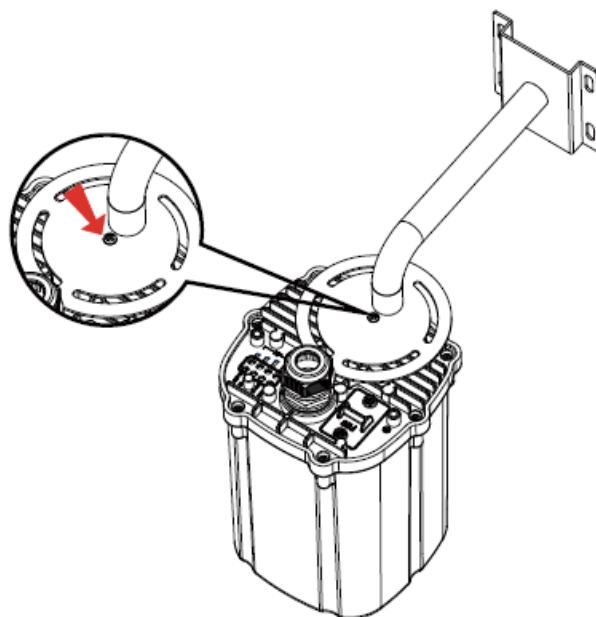
1. Insert the SIM card into the card slot in the direction indicated



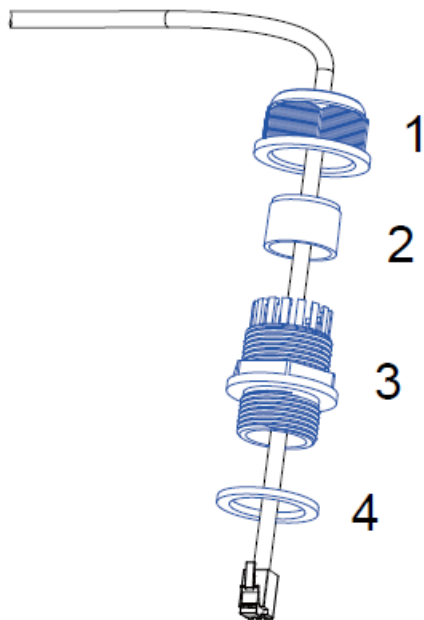
2. Cover the waterproof ring and SIM card cover, and tighten the screws



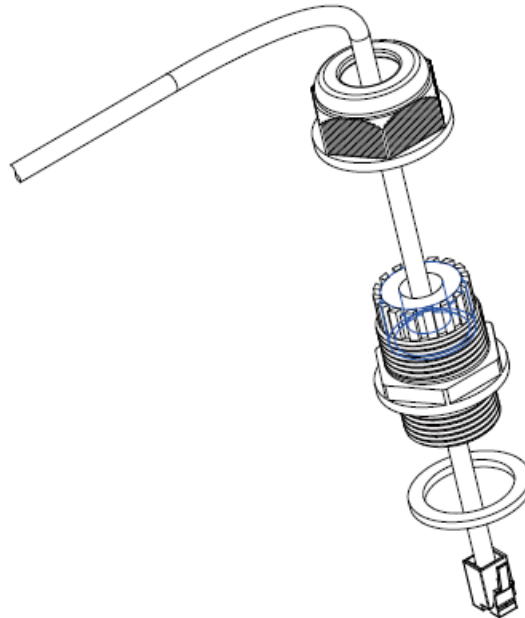
3. Tighten the screws in the center of the bracket. (do not tighten them too tightly)



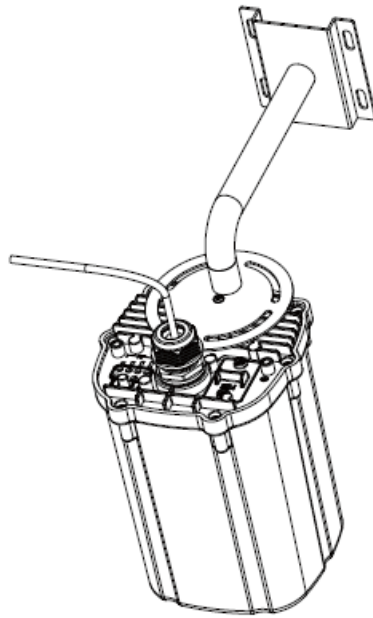
4. Pass the network cable through the externally forced cable fixing head in order, paying attention to the direction (waterproof ring 2 can be cut and installed)



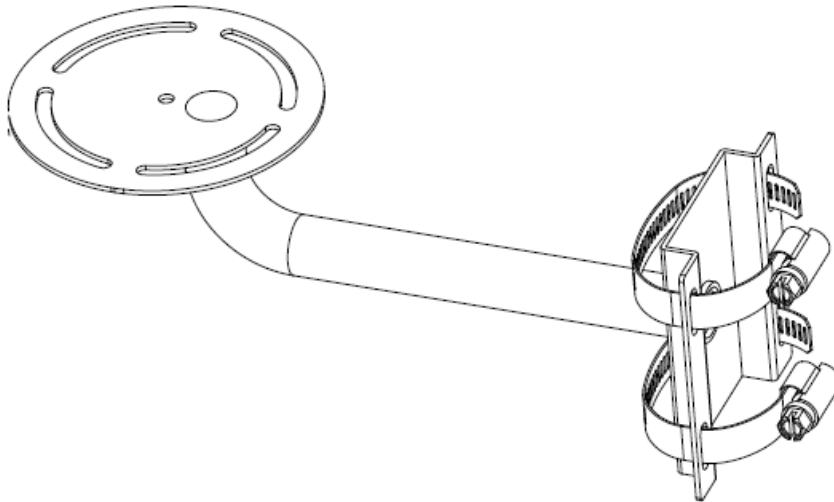
5. Press the waterproof squeeze ring into the buckle slot (put 2 in the figure above into 3)



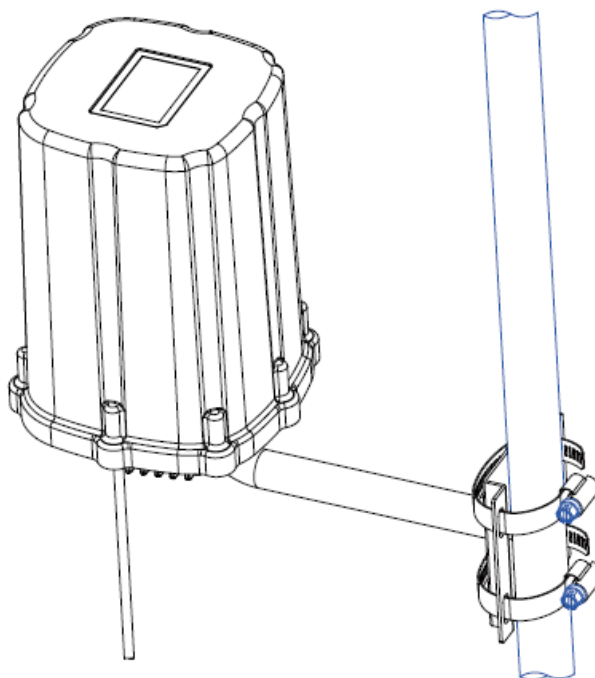
6. First insert the network cable into the LAN/POE port of the outdoor unit, and then tighten the externally forced cable fixing head (if it is not tightened, the waterproof effect will not be achieved)



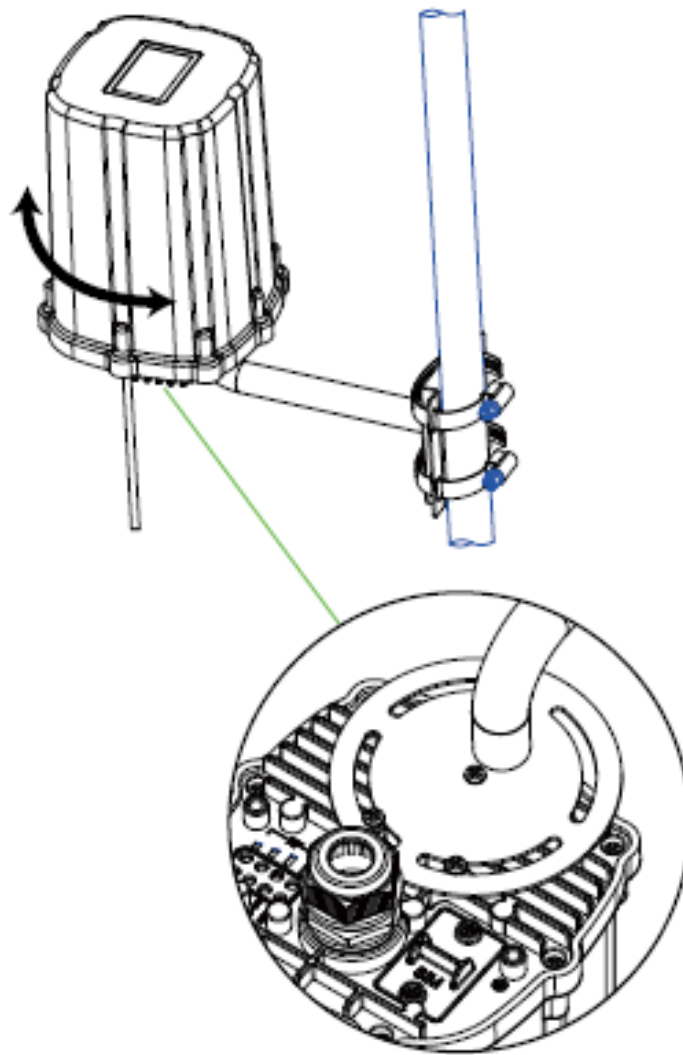
7. Pass the stainless steel hoop through the bracket



8. Secure the stainless steel hoop to the retaining rod

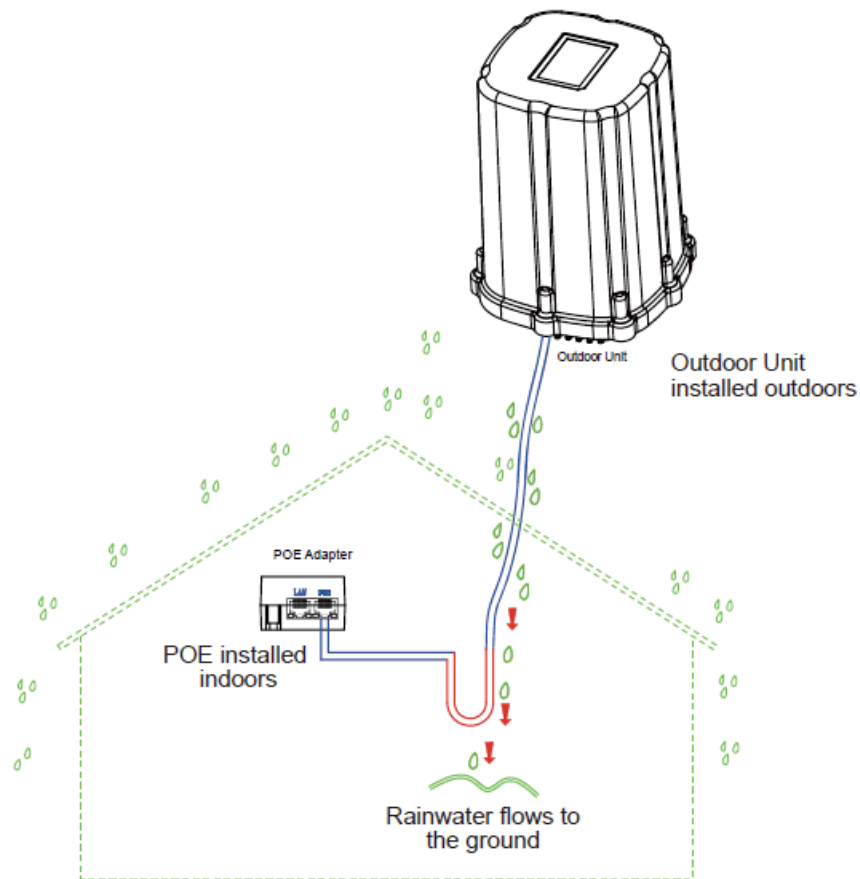


9. Turn the device so that it faces the base station, tighten the screws in the center of the bracket, and fasten the other two screws.

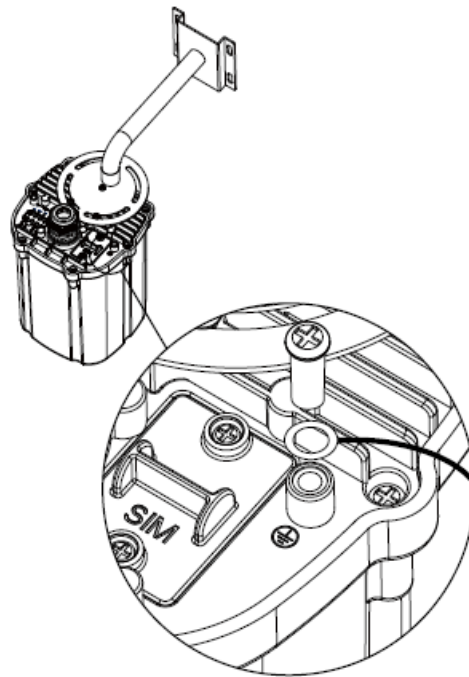


10. Connect the network cable to the POE port of the adapter and power on the

**Note:** When connecting the outdoor unit network cable to the POE adapter, reserve a certain length of network cable according to the following figure to ensure that the lowest point of the network cable is lower than that of the adapter to prevent rainwater from flowing into the adapter.



11. If conditions permit, please ground the equipment.



## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver-
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected-
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Pan 15 of the FCC RF Rules- This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement-


This device complies with Pan 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.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

### Documents / Resources

	<p><a href="#">TOZED ZLT P90 Wireless Data Terminal</a> [pdf] User Manual  2A5LO-ZLTP90, 2A5LOZLTP90, zltP90, ZLT P90 Wireless Data Terminal, ZLT P90, Wireless Data Terminal, Data Terminal, Terminal</p>
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### References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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