4G LTE Outdoor Router Series User's Manual
V1.03

Thanks for your concern on our HDR1004D (Outdoor Section) & HDR1000WF (Indoor Section) 4G Wireless Router Set. Please read and keep the user's manual carefully. It is more convenient for you to use our router.

We have reserves the right to amend the technical parameters of the user's manual. We will improve the user's manual and adjust the printing errors in time without notification in advance. All rights reserved.

1.The main technical index of products
● Operating temperature: -20℃ -- +60℃
● Operating humidity: 5%--95%
● Operating frequency:

1).HDR1004GTO.
TDD-LTE. Band 38, Band 39, Band 40
          2570~2620MHz/1880~1920MHz/
          2300~2500MHz

FDD-LTE.   Band 7
          UL. 2500MHz-2570MHz, DL. 2620MHz-2690MHz

TD-SCDMA.1880~1920MHz/2010~2025MHz
GSM.   900MHz/1800MHz

2).HDR1004GFO

Latin-America version.
FDD- LTE. 2100/1900/1700/850/900/2600/700MHz Band 1,2,4,5,7,8,12&17
TDD- LTE. Band 38
WCDMA/UMTS .2100/1900/1700/850(900)MHz
GSM/GPRS. 850/900/1800/1900MHz.

EU_Asia version.
FDD- LTE. Band 1,3,7,8,20
TDD- LTE. Band 40
WCDMA/UMTS . 2100/1900/1700/850(900)MHz
GSM/GPRS. 850/900/1800/1900MHz

*Note:

We can provide customized frequency band.

● Power supplier:

Input 100V~240V , 50Hz~60Hz
Output 12V , 1000Ma

The data rate:

1).HDR1004GTO.
TDD LTE: DL,100MbpS, UL,50Mbps
FDD LTE: DL,100MbpS, UL,50Mbps
TD-SCDMA: DL 2.8MbpS；UL 2.2MbpS

2).HDR1004GFO
FDD LTE: DL,100MbpS, UL,50Mbps
TDD LTE: DL,61MbpS, UL,18Mbps
WCDMA: DL 14.4MbpS；UL5.76MbpS

2. The installation instructions:
A.Take out the wireless router, as shown below, insert the USIM card in the card slot, when heard "Kacha", it showed that the USIM card was insert successfully and put the waterproof sticker.
B. Use UTP-five categories connect WAN/POE port of indoor section and LAN port of outdoor section.ma shi
C.Place the outdoor section in the open air, face and fix to the base station.
D. Connect the power supplier then the router will turn on automatically and finish the initialization in about 1-2 minutes
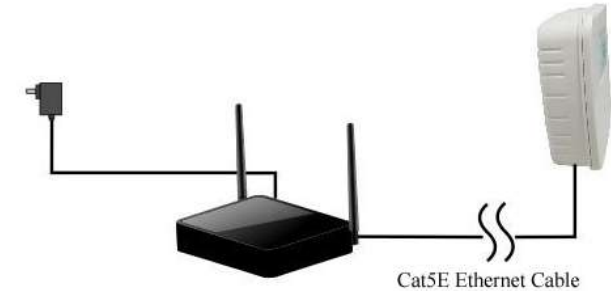

Attention:
1. Please do not insert USIM card when connecting with the external power supplier.
2. Please do not contact with the mental surface when removing the USIM card, it will damage the card.

3. About Router

Our router can work in FDD-LTE/TDD-LTE/WCDMA or TD-SCDMA/EDGE/GPRS, support data transit and short messages. Do not has voice communication service.
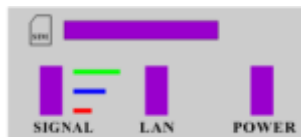
3.1 Devices connecting view

Cat5E Ethernet Cable

3.1.1 Indoor Section Interface

Interface type	Interface application	Remark
POWER	Power interface, the standard accessory. Input 6~15V, current must be greater than 1A.	Please use our matching power supplier (matching accessory). The other power will lead to the equipment damage.
RESET	Reset button, stay press in about 7 second will restore to factory settings	Restore factory settings will clear all the user's parameters in indoor and outdoor section.
LAN1~LAN4	Ethernet interface, for connecting	
WAN/POE	Ethernet interface/ POE power supplier interface for outdoor section.	Indoor section no need insert SUIM card.

3.1.2 Outdoor section interface

Interface type	Interface application	Remark
SIM	USIM card slot, insert USIM card as the mentioned instruction and put the waterproof sticker.	Please do not pull or insert USIM card when connecting with the external power supplier.
LAN	Ethernet interface for indoor section WAN/POE port connection	Please use UTP-five categories connects indoor and outdoor section. The categories is better within 50 meters long.

3.2 Indicator light

Outdoor section indicator light

SIGNAL   LAN   POWER

Indicator light Type	Status	Description
POWER	On	Normal status, power on
	Off	Abnormal, power off
LAN	Flicker	Outdoor and indoor section normal communication
	Off	Outdoor and indoor section abnormal communication.
SIGNAL	Green	Strong Signal
	Blue	Medial Signal
	Red	Low signal
	Off	No Signal

4.About internet

Our router supports standard RJ45 cable or wireless WLAN connection to computer without install any drivers. Windows XP,Windows 7, Windows 8, MAC OS, Linux, Android available.

When using the internet, please make sure the router is install successful as mentioned installation instructions.

4.1 About connect with computer

Support connect indoor section and computer via netting twine or WIFI. When using WIFI, please check the SSID and WIFI password in the bottom of our router. Each SSID and WIFI password is unique. No matter what way user takes for connection, please set to the mode: obtain IP address automatically.

4.2 About landing the router

When obtain the IP address, enter "192.168.0.1" on the browser then the user's name and password to login router configuration setting. The default user's name is "admin" password is "admin"

Please use the following browser:
● IE 7 or above.
● Firefox 3 or above.
● Safari 4 or above.
● Opera 10 or above.
● Chrome 10 or above.

5. About router configuration

Please make sure that the router is working fluently and is connected with the computer when configure router. A part of the configure parameters have to be set under operators advise, if take the error parameters, the internet would be out of service. Long press "reset" button restore to factory settings.

Stair menu	Second menu	Operation instruction
System Status	Running information	For checking running time, LTE network information, SIM card details, WAN, LAN details and WAN information
	Attached devices	For checking users'MAC address and IP address.
	Traffic Statistics	For checking the traffic statistics, flow information is under operator's service.
	Version information	For checking the software and hardware information
Device Setting	WAN Setting	**Network mode**: wireless network and PLMN mode optional Users have the selection in 4G/3G/2G network. 4G is the fastest, 3G medium, 2G slowest. If in multiple selection can set the priority network, the router could register to the priority network once the it is the fastest. Default setting is in multiple selection, 4G preferred. PLMN is the default setting. User can activate manual option if necessary. Manual option needs to search the available PLMN in advance. **IPV4/IPV6**: setting IP stack of the router.Default setting is IPV4/IPV6 dual stack. **APN**: Setting dialing access.It is under operator's advise. If amending may not gain the internet service. No modification without professional guide **PIN**: Setting USIM card's PIN1 code and PUK code. If the USIM card activate PIN1 code or PUK code,please insert the codes. Otherwise, the router does not support dialing. **MTU setting**: setting MTU, It needs

		professionals'selection. otherwise it will lead to network anomaly. **Senior setting**: Select the router performance priority mode to increases router's running. But it will increase power consumption and heat. It needs professionals'selection.
	WLAN Setting	**WLAN setting**: Town on / off function of WIFI, view / change WIFI SSID, password, encryption, channel etc. User can modify router WIFI SSID, password and encryption methods. It takes the current channel in use. Channel could be modified. For modification WIFI RTS or transmit power needs professionals'selection,otherwise it will lead to WIFI anomaly. WLAN Senior setting: manage muti HDR1000WF
	DHCP Setting	**DHCP Setting**: setting router DHCP and IP information. Once DHCP turned off, user has to set IP parameter manually, for it can not obtain IP address automatically. **Reserved address**: reserved address is only effective in DHCP server, select [add] to make fixed MAC address and IP address. The fixed IP address will only be assigned to the MAC address of the computer.
SMS	New SMS	Edit and send messages
	In box	View messages
	Draft box	View drafted no-send messages
	Sent box	View sent messages

Fire wall	Filtering rules	**Port filtering**: settings port filtering **IP filtering**: Setting IP address filtering **MAC filtering**: Setting MAC address filtering **URL filter**: Setting website address filtering **MAC binding**:Binding IP and MAC address **Default rules**: Setting other filtering rules
	Speed limit	Setting speed limit rule, only for IP address limit currently
System Management	System setting	**Modify Password**: modify the password to login router configuration **Modify Username**: modify the user's name **Restore factory settings**: Lead the router to factory settings. **System time settings**: Setting time of the router.
	System Log	View System log
	System upgrade	Upgrade files have to be downloaded to the computer.Tar.gz and tar.lzma are available. If the other format, it may need to decompress. When user finished download upgrade files, upload to router. Meanwhile, upload MD5 verification code. Then, select upgrade. User's previous configuration will not be cleared up.
	Reboot	User can reboot router
	Help	View self-help files for router