
Multi-port GSM fixed wireless terminal

Multi routes Fixed wireless Terminal



8 route 64 SIM



16 route 64 SIM



32 route 128 SIM

Welcome to use BL-8&16&32 FWT:

CAUTION!

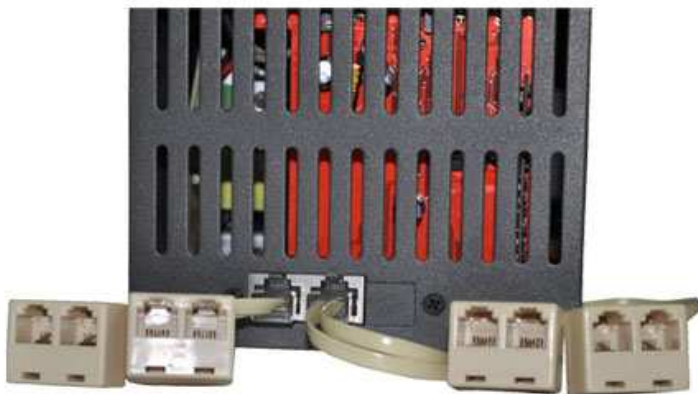
Please do not use the terminal within the following areas:

Areas where the wireless transceiver is prohibited from using or needed to be closed

Gas stations

Storage areas of flammable and explosive articles

Other environments that lead to danger possibly because of wireless communication



Basic introduction:

1. Functions &Features

BL-8&16&32 is a four –channel GSM fixed wireless access terminal .It is suitable in rural and remote areas where PSTN is not available, and it's also applicable as wireless public phone. It can be connected to payphone, PBX and charge counter to provide more flexible services to users. This product has the following function characteristics:

1. Suitable for GSM 850/1900/900/1800 MHz network, taking SIM card as wireless interface.

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2. Provide the reverse polarity signal for charging.
 3. Can be connected with charging counter, payphone and PBX.
 4. Can set up call-out/call-in restriction.
 5. Caller ID display.
 6. Hands free, redial, sound volume adjustment while calling in/out.
 7. Wireless signal indicator available.
 8. Possess an agile function for setting up parameters through the phone set.
 9. The power supply AC 100-230V Standby battery supported (optional).
 10. PIN code protection.

THE MAIN FUNCTION

- ➔ **Connect to ordinary household telephone to receive calls and dial**
- ➔ **Connected to the computer software to send bulk sms**
- ➔ **According to sms time, call time, quantity of SMS sending and voice call, the sim cards could be switched to your settings in advance**

Terminal Configurations

A terminal is matched with the following parts generally:

BL-8&16&32 GSM fixed wireless access terminal: 1pcs

Antenna

Telephone line

Power adaptor

User manual

A).Installation of SIM card:

CAUTION! Please insert the sim cards well before connect the whole power adaptor, 1 slot with 1 SIM card, 1 antenna with one port,1 telephone with one RJ11 output.

1. Put the device on on flat place so you can see the SIM card slot in top.

2. Insert SIM card into the slots..

B).Assembly of the terminal:

1. Keep the terminal with fixed SIM card inserted well..
2. Screw down the SMA antennas.
3. Connect telephone with the device with RJ11 cable
- 4, If the customer need to charge ,please put the multiplex counter (be prepared by the user) between the phone and the terminal.
- 5.You'd better do not power on the device before every connections is done.
- 6.Finally,open the power supply, you can control every port seperatly by the tiny switched related.

Operation Instructions:

Make sure the device is well connected, Turn on the power supply

1) Light status

A)Light "**ACT**" flashing means that the device is connected to the network.

B)Light "**USE**" flashing means the phone is off, if there is an incoming call during hang up,it should be flashing simulanetously with the ring.

C). "**TALK**" LED flashing means the the phone is working or is switching the SIM card

D).The rest 4 lights show you which sim card is working currently.If SIM 1 is working just the light beside this card is on, other 3 must be off, and will skip to next sim card if one sim card expired or no sim card at that place.



2) Voice Call

A). Insert sim card which is valid,connect the tele phone through RJ11 interface output form RJ45 interface of the device.

B). Push the tiny switch to on as well as the whole switch (red button).

C). If you do not know this telephone is connected to which port, hook USE light (hang USE lights off), this is used when the port

D). Waiting for ringtones ring (bell sounded short at this time GSM ready, you can dial each time you boot or switch the SIM card, will this prompt) start dialing, in accordance with the ordinary telephone dial-up

E). Connected and you can talk.

F). Hang up to end the call

3) Answer the phone

A). Hear the bell ringing, just pick up the handset like what you do normally

1. **Technology parameters**

1) Working frequency:

	Transmit band (Tx)	Receive band (Rx)
GSM 850	824 to 849 MHZ	869 to 894 MHZ
E-GSM 900	880 to 915 MHZ	925 to 960 MHZ
DCS 1800	1710 to 1785 MHZ	1805 to 1880 MHZ
PCS 1900	1850 to 1910 MHZ	1930 to 1990 MHZ

2) User access port:

Dialing tone frequency: 450 Hz continued

Busy tone frequency: 450 Hz 0.35s/0.35s

Loop current method: 25mA

3) Parameters:

Items	Parameters
Working voltage	AC 220V/DC 12V
Environment temperature	0~45℃
Humidity	10%~95%
Air pressure	85~110Kpa
Environment noise	<50 dB
Emission power	2W
Statoscope	-110dBm
Antenna plus	>5dB

4) Volume:440(L)*245(W)*45(H)mm

2. Troubleshooting

NO.	Problem	Possible Causes	Possible Remedy
1	Not connected	1. SIM card not inserted correctly. 2. SIM card is dirty. 3. Antenna is not well connected.	1. Install the SIM card again. 2. Clean the SIM card with a dry cloth. 3. Check the antenna connection. 4. Adjust the antenna position.
2	No dialing tone is heard after pick up the handset at the beginning	1. The phone cable is not correctly connected	1. Check the cable connection.
3	No caller ID display	1. The service is not enabled.	1. Check if the service is enabled

		2. The phone does not support caller ID display.	on the local GSM network. 2. Change into a phone supporting caller ID.
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Notes

1. Working environment: areas with high signal.
2. Requirement for the power supply: keeping stable voltage helps strengthen GSM network signals
3. Antenna: Keep the antenna far away from the telephone to reduce the communication disturbance.

Operation with the phone

1. Pre-set or cancel the IP, and display the added IP (Presettled IP could be displayed on the phone.)
2. Can check and change the IMEI numbers, (can be done with only telephone, needn't be connected to the computer, IMEI could be displayed on the phone screen.)
3. Adjust the volume both for Micro phone and speakers when talking.
4. Can set time to Change SIM card. Could change the SIM card quantity (For example, change the former 3 cards, former 2 cards...)
5. Be able to develop other functions button, (Example: to press 0# to dial each pointed number...)
6. Pressing only "#" to speed up the dial speed, faster call, no need to wait.
7. Signal tip, (Because Start the machine and read SIM cards will take 8s (different card may take different time), subscriber may don't know whether the machine finish to read SIMs at that moment so our machine gives a short ring, like normal calling ring to ensure you that it is ready.
8. Caller ID display.
9. At the same time can use 8 telephones, every phone means one of the 4 simcards in one port.

Command to set all the functions :

All Commands as below :

***1*##**

2##

3##

4## (1-4 Switch the SIM cards,Each hang switches the SIM card)

5##(Resume the factory settings)

6

7 (6~7 functions under develop)

8 (IMEI related function)

9 _____ ## (IP Related function)

0

##2 _____ (Adjust the volume)

Practical explanation :

Used as normal phone.

1. Only use one SIM card,no matter how long a time to talk or hang up .

(1).Pick up the speaker or press hands free.

(2).Press ***1*# #**

(3).Hang up

(4).Sim card will be changed to SIM 1, LED light will indicate, 6s later will be a short ring to inform

setting OK, then whenever call or answer, it will be use the first sim card(SIM1) .

2. Use two SIM cards ,when hang up,it will switch between these two cards , no matter how long the talking costs.

Pick up phone —>>press ***2*# #** —>>hang up—>>Switch to SIM 1—>>wait 6s—>>short ring (successful)—>>pick up —>>hang up —>>switch to SIM2—>>wait 8s for the ring(because every time to switch card need to restart the device,reread the SIMs ,like your cellphone to restart—>>ring bells indicate that both of the 2 SIM cards are ready ,can call now —>>Redial and hange up,will reswitch between the 2 SIMs,each time for 8 senconds ,rings,then call

3. switch between 3 or 4 SIMs

only to change “2” to 3 or 4 like step two as above ,that is to say ***3*# #** or

***4*# #.**

4. Switch during 4 sim cards, and switch for every 1 minute, but every switch just happen only after you hang up.

Pick up —>> press *** 4 * 1 # 1 #** (“4 ”stand for 4 SIM to switch, fisrt number 1 represents a value, Second number 1 stands for Units,(option numbers here is 1,2, 1 for minutes,2 for hours.) here for example , set as *** 4 * 1 # 1 #** means 4 SIMs switch with each SIM card 1 minutes talking time,if want it to be 50 minutes then Switch cards ,it should be *** 4 * 50 # 1 #** ,if wanted to switch for 50 hours talking time ,then it will be

*** 4 * 50# 2#.** better example 96 minutes would be *** 4 * 96# 1#**

5. Need to change it to switch between the first three SIM(sim1-sim3),or switch between the first two SIMs,should be like the number 4 indications as above.

Also set an example here,Switch between the SIM1-SIM3 ,switch time is 34 minutes. The command is

*** 3 * 34# 1#**

6. Check the IMEI numbers

Pick up phone—>>press

*** 8* # #**

—>>hang up—>>wait for 6s —>>bell ring —>>device screen display IMEI number (example 123456789012345)

7. Change IMEI numbers .

Pick up phone—>>press

*** 8* XXXXX XXXXX XXXXX # #**

(Here xxxxx xxxxx xxxxx stands for IMEI number you want to set) —>>wait for 6s —>>Rings —>>the phone screen will display the IMEI you set.

8. Clear presetted IP.

Pick up phone—>>press ***9* # #**

—>> hang up—>> wait 6s—>>Rings ,then directly to call ,no setted IP.

9. Add prefixed IP.

Pick up phone—>>press—>> ***9* XXXXX..# #**

(Here XXXXX stands for the IP numbers, example *9*19389##——>>Hang up ——>> 6s ——>>Rings ,and display the setted IP number(ex:19389),then when you call any time ,I will be shown “19389” before the numbers. Ie, when you call 1111 1111 ,it will shown 19389 1111 1111

10. Change the volume during call.

Press # # 2, speaker’s volume will be down,if you want it louder,then press “8”, if you want higher Microphone voice (voice receiver will listen louder), press “6”for up ,press “4”for down, rember to press “##”when every time calling was start ,continue to press the number,volume become louder and louder or lower and lower...

11. If you need other features,please contact us

THANK YOU!

