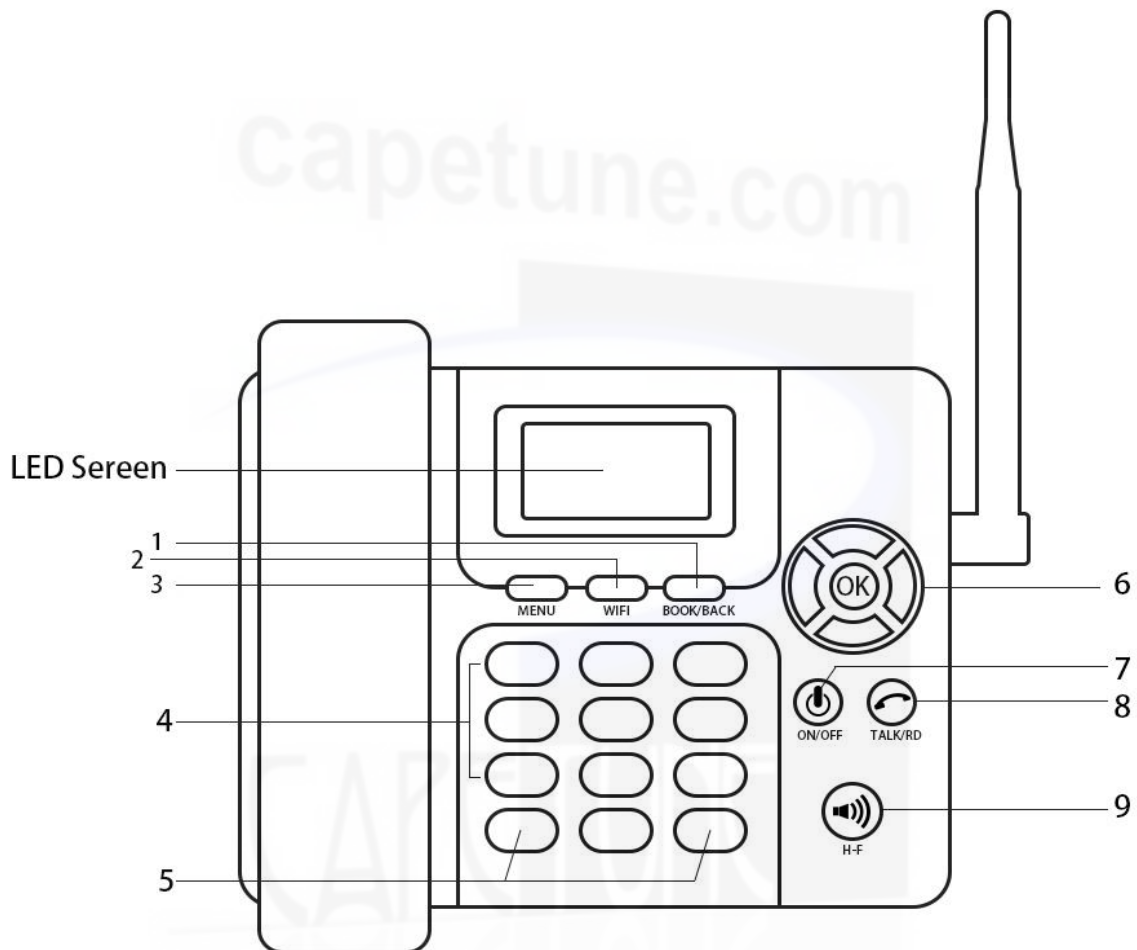# NERO-LTE 4G WIFI Bluetooth Wireless Desk Phone
User Manual

Version 1.20

1. Overview

2. Appearance

Congratulations on your purchase of the 4G Fixed Wireless Phone Nero-LTE (Hereinafter referred to as Phone). The Phone has been designed to operate with the latest wireless communication technology which has many advanced features and provides an excellent voice quality.

The Phone has advanced features as follows:
2G Band:2.3.5.8
3G Band:1.2.5.8
4G Band FDD:1.2.3.5.7.8.28a.28b
Frequency bands not included can be adjusted as required
WIFI Standard: IEEE 802.11b/g/n
Colour LCD with back light
Battery
LCD display contents include signal strength, battery charging status, missed phone call symbol, new SMS, WIFI hotspot symbol, time, date, operator information
SMS, phonebook
Speed dial
Caller ID
Memory store 10 incoming, 10 outgoing and 10 missed calls
Different chord ringers for incoming call and SMS
Hands free, redial, call divert, call waiting, call barred.
Ringer volume adjustable
Calendar, alarm clock, calculator, FM
Rechargeable backup battery, long standby
TNC antenna or integrated antenna optional
Dual SIM or single SIM selectable

3 Key board Introduction
【Menu】In idle state, press this button to select item or enter into submenu.
【WIFI】：In idle state, press this button to enter into   submenu WIFI
【BOOK/BACK】：In idle state, press this button to enter into phone book, press "BACK" to return to upper Menu
【　】：In the idle state, set the menu
　　【▶】　：In the idle state, enter the calculation menu
【▲】：　In the idle state, enter the calendar Settings
【▼】：In idle state, Shortcut key setting
【OK】：to confirm your setting

【ON/OFF】：press this button ⓘ about 3 seconds for power on phone. Press 3 seconds again, the phone will be power off.
【Talk】：Outgoing with the dialed phone number immediately. In idle state, pressing this button will be into "Outgoing Call log".
【Redial】：Redial the last call phone number.
【H.F.】：Press this button instead of taking up handset.
  The Number key 1,2,3,4,5,6,7,8,9,0 and *, #
4. Installation
4.1 SIM card installation
Open the battery cover and take away battery, then the SIM slot can be seen. Please insert SIM card into the SIM slot.
4.2 How to use the phone
4.2.1 Turn On phone

After install SIM card and battery. Press power ON/OFF button ⏻ 3 seconds, the phone will be power on, The LCD screen shows operator name, time, signal and capacity of battery. Then you can make/receive calls.

4.2.2 Turn Off phone

Press button ⏻ 3 seconds to power off the FWP from the working state.

4.2.3 Make a call

Dial numbers: dial numbers and the numbers will be shown in the screen. If the numbers that user dialed is wrong, please press "BACK" in order to clear the number.

After finishing inputting number, please press key "TALK" to call out at once. If not press key "Talk", it will delay several seconds, then call out automatically.

During call, user can adjust volume by pressing left button or right button.

4.2.4 Answer a call

When there is an incoming call, FWP will ring and the screen will show call ID, You can pick up the handset or press "H.F" button to answer the call.

During call, user can adjust volume by pressing left button or right button.

5 Menu function

All menu can be operated in idle state. Press "Menu" be into submenu and press "BACK" to return to upper-level menu.

5.1 Contacts

Phonebook saves numbers which you will easily for future use. When the phone is in idle-state, please press **[menu]** or **[book]** key to inter into phone book.

5.1.1 Details

User can look through the contacts records in phone book by pressing the **[▲]** or **[▼]** key. Press **[OK]** key to select current phone number. Then you can press **[Talk]** to call this phone number.

[Contact]--[Details]

5.1.2 New

User can store a new record to phone book, including phone number and name. It can be saved in phone or SIM card.

[Contact]—[New]

5.1.3 SIM Phonebook

Check record in SIM card.

5.1.4 Me Phonebook

Check record in FWP.

5.1.5 Memory status

Can check saving state about FWP and SIM card. [Contact]-[Others]-[Memory Status]

5.1.6 Speed dial

Set numbers for one-key speed dial. [Contact]-[Others]-[Speed dial]

5.1.7 Delete

It can delete the record of FWP or SIM card.

5.1.8 Delete Multiple

It can delete all records in FWP or SIM card.

5.2Short Message

5.2.1 Write Message

On selecting "Write message", user can first edit message contents, then press **[OK]** and select

"send" to enter the phone number. It can choose only send, only save, send and save, send group, insert name, insert numbers.

The maximum length is 140 characters for one piece SMS.

Note: Change input method

Press [#] key to switch between different text input method: "ABC" for Uppercase letter input, "abc" for lowercase letter input and "123" for number input. From here you can choose the input languages.

5.2.2 WIFI hotspot

Select WIFI key and press,

Select WIFI hotspot to turn on or off, turn on WIFI hotspot to set user name and password, press # key to switch input method when setting user name and password, press ok key to save after setting user name and password

5.2.3 Outbox

Check failed message.

5.2.4 Draft Box

Edit message in advance and save it in draft box.

5.2.5 Sent box

On selecting "**Sent box**", user can see the messages that have been sent. Sent messages are arranged according to date, and the most recent message is arranged at the top.

When viewing the content of the message, User can do operations: delete, read, copy to phone, remove to phone, delete all, copy all, remove all and using numbers.

5.2.6 Templates

Users can see some usual use messages save in the phone, then easily use the templates to reply, and Users can edit the templates for future use.

5.2.7 Voice Mail Server

This function can set: listen to voice message and voice message number.

5.2.8 Broadcast message

This function can set for broadcasting messages.

5.2.9 SMS Setting

Setting includes Service Center, validity Period, Status Report, Reply Path, Storage Medium, and Storage Status.

5.2.10 Message Capacity

Can check the SMS memory in SIM card and Phone

5.3 Calls Log

5.3.1 Missed Calls

On selecting missed calls, the screen will display the missed calls' information, including date, phone number or name of person (if the number exists in the contact list). Last 10 calls can be viewed.

5.3.2 Dialed Calls

On selecting dialed call, the screen will display the dialed calls' information, including date, duration, time and phone number or name of person (if the number exists in the contact list). Last 10 calls can be viewed.

5.3.3 Received Calls

On selecting received calls, the incoming calls' information, including date, time, duration and phone number or name of person (if the number exists in the contact list) of incoming call, shall be displayed on the screen. Last 10 calls can be viewed.

5.3.4 Delete all

On selecting this, you will delete all the records

5.4 Setting

5.4.1 Call Settings

It can set call divert, call waiting, call barred

Phone Settings

In Phone setting, you can do the following:

1, Time & date

2, Language Setting,

3, post-dialing delay setting

4, restore factory setting

5.4.3 Display

Display Setting: Setting the contrast of the screen.

5.4.4 Security

Security Setting: It requires input phone code (password, the default password is 1234). Can set that checking PIN code, lock phone and lock keypad.

5.4.5 Network type

You can select network at here.

4gVOLDE preferred

Prefer GSM

GSM

WCDMA

4gVOLDE

5.4.6 Version

Users can check the HW and SW version of this phone.

5.5 Profiles

5.5.1 Ring Settings

Set caller ringtone and message ringtone

5.5.2 Adjust volume

Set call volume, power ringtone volume, caller ringtone volume, message ringtone volume, alarm ringtone volume,

5.5.3 Ring type

Set call alert ringtone, message alert ringtone, alarm remind ringtone,

5.5.4 Other alert rings

Set key tone, battery low alert, power ringtone.

Application

5.7.1 Alarm

To set alarm clock.

5.7.2 Calendar

To check calendar

5.7.3 Calculator

To use calculator function

5.7.4 USIM

USIM card

Appendix A: Packing List

Name	Quantity (Piece)
Fixed Wireless Phone (4G) 6688	1
Handset	1
Handle line	1
User Manual	1
Li-ion Battery (3.7v 1000mAH)	1
Ac adapter	1
TNC antenna (Optional)	1

Appendix B: Technical Parameters

Module Chipset	Spreadtrum SC9820E，Cortex A53 Dual-core, Clock: up to 1.3GHz Support DVFS
SIM	Support 3V & 1.8 V SIM card
Memory	MCP(4Gb+2Gb)
Max. power consumption	≤2W
LCD	128x64
Working current	The peak current is less than or equal to 2A The maximum current for GSM calls is no more than 260mA WCDMA communication maximum current is no more than 500mA LTE peak call current is less than 750mA Standby current is less than or equal to 5mA
GSM Band	GPRS/GSM：1900/1800/900/850MHz
WCDMA Band	850MHz/1900MHz or 900MHz/2100MHz (optional)
Max. emission power	FDD/TDD：Power Class 3(23±2.7dBm) WCDMA : Power Class 3 (+24dBm +1/-3dBm) GSM/GPRS 850MHz/900MHz: Power Class 5 (+33dBm ±2dBm) GSM/GPRS 1800MHz/1900MHz: Power Class 0 (+30dBm ±2dBm)
Reception sensitivity	FDD/TDD LTE:≤-97.3 dBm(QPSK PREFSENS,throughput≥95%)(An antenna has 10M broadband) WCDMA850/WCDMA900/WCDMA1900/WCDMA2100 : ≤-108dBm GSM850/EGSM900/DCS1800/PCS1900 : ≤-108dBm
Data rate	GSM CS:UL 9.6kbps/DL 9.6kbps GPRS:171.2kbps WCDMA:UL 11.5Mbps/DL 42.2Mbps FDD:UL 50Mbps/DL 150Mbps

GPRS Type	Class 12
3GPP protocol	R7.R8
LTE FDD rf technical indicators	3GPP R9 CAT4 FDD,TDD/FDD receiving sensitivity more than 1 times higher than the standard of 3GPP.
SMS	Support
Network Lock	Support
Upgrade	Support (through USB port)
SIM reader	Support
Working temperature	-20℃ 至 +70℃
Working Humidity	5%~ 95%
Atmospheric Pressure:	86 ~ 106KPa
Environment Noise	≤60dB（A）