



# EN8000

## Voice Ad Hoc Base Station

This guide helps you quickly master the basic operation of an Ad-hoc base station.  
Using the operation icons



**CAUTION:** Indicates matters that may cause damage to the product or personal injury.



**Note:** Indicates matters that will help you better understand and use this product.

## Notice to user

### RED Caution:

- 1.Frequency: 136-174MHz, TX Power: 50W
- 2.Operation temperature range: -20℃ ~40℃
- 3.RF exposure information: The device complies with RF exposure require when the device used at 0mm from the body with the knapsack.
- 4.Declaration of Conformity.

Manufacturer: Shenzhen Excera Technology Co., Ltd.

Address: 201, Building B, Tongfang Information Harbour, No.11 Langshan Road, Nanshan District, Shenzhen 518057, P.R.China

Hereby, Shenzhen Excera Technology Co., Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

Engineering personnel setting up those frequency ranges whit Customer Programming Software, the mechanism implemented in the product to avoid the end user to managing changes in the definition of operating frequency ranges in order to avoid usage of un-allowed frequency ranges.



The authorized to set up the permitted frequency ranges for marketing in the specific EU country:

Country	Frequency Range(MHz)
Austria(AT)	156.4875 - 156.5125 160.3 - 160.300001,169.4 - 169.8125
Belgium(BE)	146 - 156,157.45 - 160.6,160.975 - 161.475,162.05 - 169.4,169.825 - 174
Bulgaria(BG)	146 -161.9625,161.9875 -174
Croatia (HR)	138 - 144,146 -156,157.45 - 160.6,160.975 - 161.475,162.0375 - 174
Cyprus (CY)	138 - 144,146 -156,157.45 - 160.6,160.975 - 161.475,162.0375 - 174
Czech Republic (CZ)	148.2 - 149.05,150.05 - 150.975,152.8 - 153.65
Denmark(DK)	146 - 149.9,150.05 - 153,154 - 156.4875,156.8375 -174
Estonia(EE)	150.05 - 156.7625,157.45 - 160.6,160.625 - 160.95,160.975 - 161.475,162.05 - 169.4
Finland(FI)	146.30625 - 149.9,151.00625 - 154.89375,157.45 - 158.8,161.175 - 161.375,162.05 - 163.4,165.3 - 174
France (FR)	168.9 - 169.4,173.5 - 174
Germany(DE)	146 - 148,149.14 - 156,158.34 - 167.54,170.3 - 172.15
Greece(EL)	138 - 143.6,146 - 148.2,150.05 - 151.6,154.5 - 161.4875,162.0375 -174
Hungary(HU)	156 - 156.7625,156.8375 - 167.3,169.6375 - 174
Ireland (IE)	154 - 156.7625
Italy(IT)	146 - 156.4875, 156.8375 -161.9625,162.0375 - 174
Latvia (LV)	146 - 174
Lithuania(LT)	146 - 156,157.45 - 160.6,160.975 - 161.475,162.05 - 174
Luxembourg (LU)	146 - 174
Malta(MT)	146 - 156,157.45 - 160.6,160.975 - 161.475,162.0375 - 174
Netherlands(NL)	146 - 156.4875, 156.8375-161.9625,162.0375 - 174
Poland(PL)	147.8 - 147.975, 150.05 - 151.625, 151.775 - 156,157.425 - 159.9, 159.9 - 160.6, 160.975 - 161.475, 162.05 - 164.475, 167.5 - 168.5, 169.825 - 174
Portugal (PT)	148 - 149.9,150.05 - 156.4875 , 156.8375 - 174
Romania(RO)	146 - 149,149.55 - 149.8,150.05 - 156,159.175 - 160.6,160.975 - 161.125,161.275 - 161.475,164.05 - 169.4, 169.6125 - 174
Slovakia(SK)	146 - 149.9, 150.05 - 153.5625, 155.5125 - 156, 156.8375 -
Slovenia(SI)	146 -156.4875, 156.9375 - 161.9625, 162.0375 - 174
Spain(ES)	146 - 149.9, 150.05 -156.4875, 156.5625 - 156.7625,156.8375 - 174
Sweden(SE)	146.05 - 147, 150.05 - 151,156.8375 - 162.0375,162.025 - 163,164 - 171,172 - 174
United Kingdom (UK)	137.975 - 138.2,139.51875 - 140.98125,143 - 144,148.01875 - 148.98125, 153.025 - 153.475, 154 - 155,157.205 - 165.0375,158 - 165,165.05 - 173.0875,

## Notice to user

### FCC Caution:

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1.This device may not cause harmful interference
- 2.This device must accept any interference received, including interference that may cause undesired operation.

-This radio is designed for and classified as “Occupational/Controlled Use Only” , meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in an General population/uncontrolled environment

-DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio.

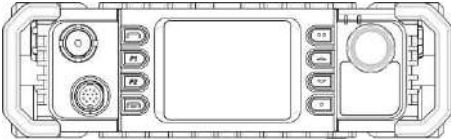
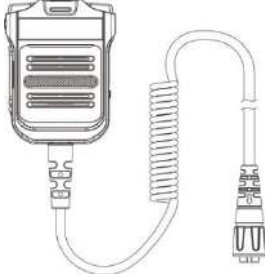
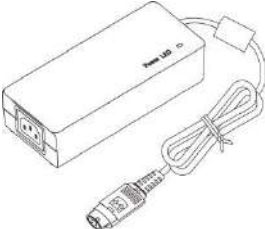
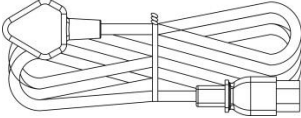


-DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.

-During operation, if the antenna gain of the antenna used is 2.15dBi, the distance between the user and the antenna should be at least 0.65m, this separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements.

-During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

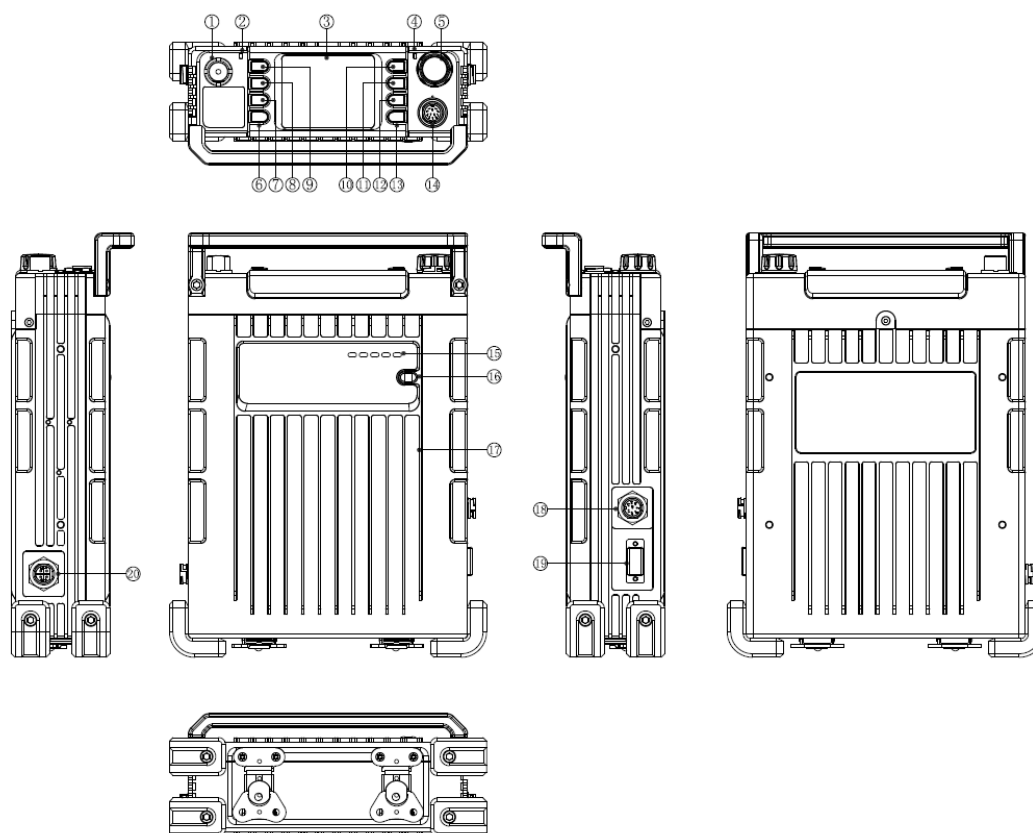
# Packing List

The box contains the following items, please contact your dealer if any item is missing or damaged.

		
hosts	(dialect) mimi	adapter (device)
		
AC Power Cord	suction cup antenna (Orders on demand)	Quick Guide

# Familiarity with the machine

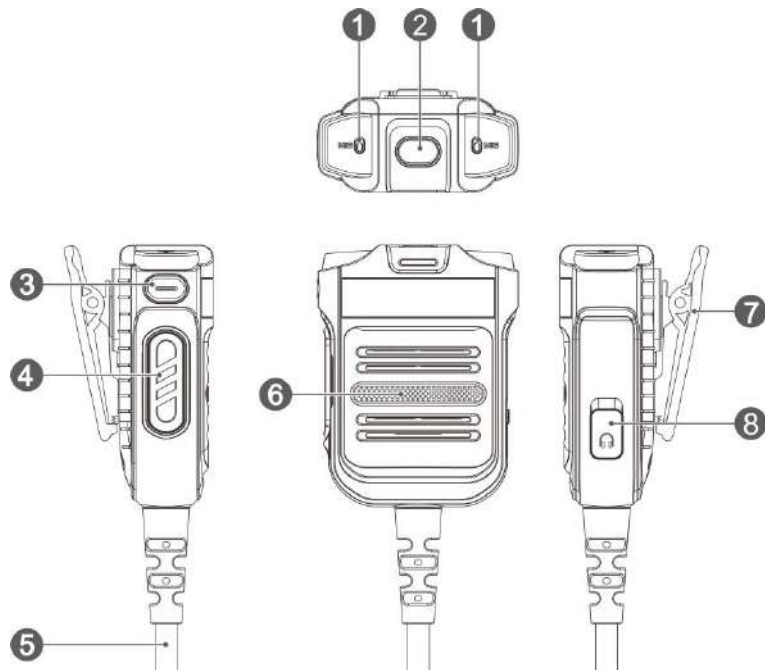
## Introduction of mainframe components



serial number	Part Name	serial number	Part Name
①	Antenna Interface	⑪	upwards key (in painting)
②	MPT/PDT indicator	⑫	down shift key (on computer keyboard)
③	display screen	⑬	menu key
④	indicator light	⑭	Hand Microphone Interface
⑤	Volume/Channel Knob	⑮	Battery indicator light
⑥	Hang-up key/ Home key/ Power off key/ [P4] key	⑯	View Battery Key
⑦	Programmable keypad [P2]	⑰	batteries

⑧	Programmable key [P1	⑱	network port
⑨	Answer/outgoing key/[P3] key	⑲	data interface
⑩	setup key	⑳	charging port

## Introduction of hand microphone parts



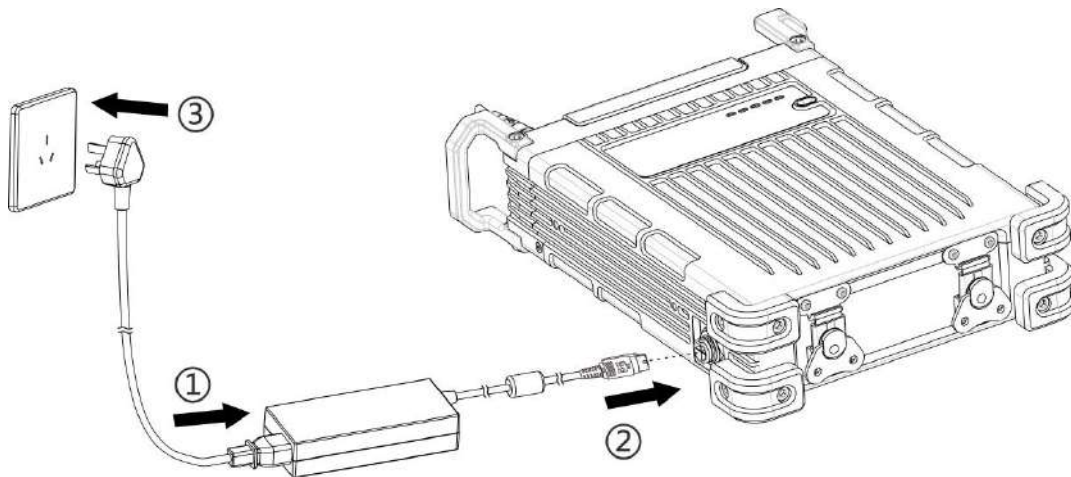
serial number	Part Name	serial number	Part Name
①	microphones	⑤	connection line
②	alarm button	⑥	speakers
③	Handset button/Home button	⑦	Swivelling Clip
④	PTT key	⑧	headphone jack

## pre-use preparation

### fig. rest and recuperate

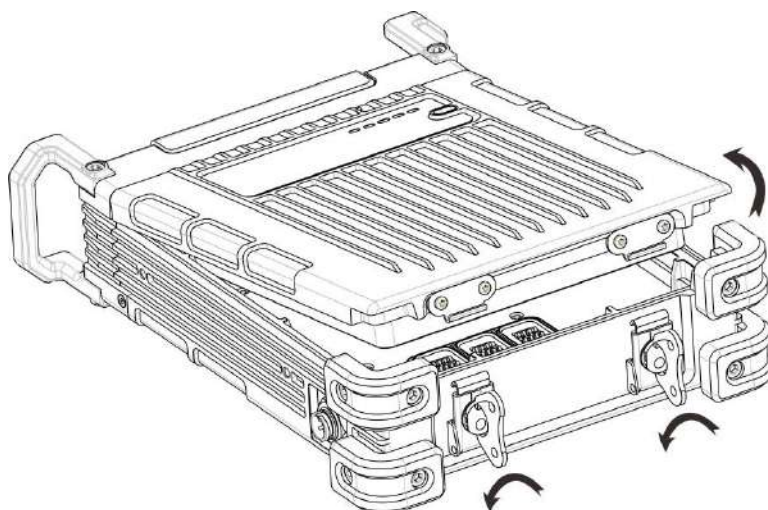
Low battery warning may occur when first used; please charge before use;

- 1、 The AC power cord Pin-tail connector is connected to the adapter connector (as shown in the right figure ①);
- 2、 Plug the 4Pin aerial header of the adapter into the host connector (as shown in ② on the right);
- 3、 The AC power cord plug is inserted into the power outlet for charging (as shown in figure ③ on the right).



### Remove Battery

First of all, please switch off the main unit, open the two latches at the bottom by rotating them counterclockwise, and open the battery in the direction as shown in the picture.

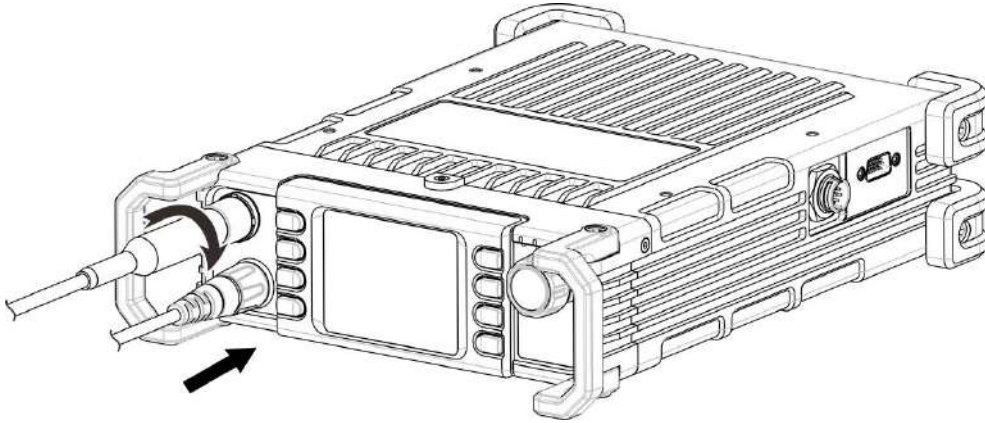


Note: If you need to install the battery, first snap the battery closed to the main unit, then turn the bottom two latches clockwise to lock the battery.



## Installation of antenna & hand microphone

Rotate the antenna to connect to the corresponding connector on the front panel as shown in the figure; insert the hand microphone plug into the corresponding connector on the front panel.



## basic operation

### Switching on and off

If you need to turn on the power, please press and hold the power on button for three seconds to turn on the power, when the end of the power on animation, the power on is complete.

If you need to switch off, please long press the switch-off button for three seconds to switch off, when the screen turns black, complete the switch-off.

















### Check Configuration

After powering on the device, the device will automatically hardware device self-test, hardware self-test without abnormal display;

Configure corresponding parameters such as frequency points, and configure data such as whitelist and phone numbers.

# status indicator

## status icon

icon display	iconography
	signal strength indication
	4G Signal Strength Marker
	New message sign, inbox full sign
	Scanning for logos
	Scanning pause sign (general)
	High power marking
	medium power marking
	Low power marking
	Battery level marking
	roaming logo
	Missed caller ID
	Emergency Alarm Signs
	cryptographic logo
	full duplex logo
	squelch mark
	voice-activated signage



Note: Status icons vary for different configurations; subject to change without notice due to continuous technological development.

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## LED indicator

LED status	hidden meaning
The green light is blinking slowly.	reservation
Lights are flashing green.	Being upgraded or booting normally
lit. the green light stays on forever	Receiving
red light flashing slowly	Low battery indicator
red light flashing fast	reservation
lit. the red light stays on forever	Launching.
Orange light slow flash	Scanning.
flash of orange light	reservation

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## shout

Ad-hoc base station supports voice and data relay function, and also supports as a call terminal to make calls. Ad-hoc adopts the design concept of "switch on and use", which is simple to operate.

- Ad-hoc base station call operation:

- 1、 After the Ad-hoc is switched on, rotate to the channel to be used;

- 2、 Press the hand microphone PTT key to fire.

- Ad-hoc base stations operate as PDT terminals:

- 1、 Individual call: Through the menu Contacts, find the person you want to call and press the hand microphone PTT key to make a call.

- 2、 Group Call: Rotate the Group knob to the group you want to talk to and press the hand microphone PTT key to make a call.



Note: When doing voice and data transit, simply switch the machine on.

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## Optional Accessories

The main optional accessories of this machine have been included in the following list, if you need more information about the accessories, please call our service hotline, hotline: 010-67869119.

		
Bluetooth headset	Wireless PTT	frequency writing line
		
network cable		



Note: Please use the accessories specified by our company. If unauthorised parts are used, the user is solely responsible for any consequences.

## Quality Assurance and Maintenance Terms

Shenzhen Anxinzhua Technology Co., Ltd. promises that all products produced by Anxinzhua, since the date of purchase, under normal conditions of use, operation and maintenance, defects in materials or manufacturing process, can enjoy the warranty service as stipulated below:

EN8000	2 years
replacement (parts)	6 months

### Warranty Details

1. The original of the customer's completed warranty card or valid purchase invoice or receipt as the authentication of the warranty, the invoice or receipt should indicate the host accessories, factory serial number, date of sale and the amount of the purchase.
2. Walkie-talkie, car radio and other terminal products can be returned, exchanged or repaired within 7 days for problems caused by non-human reasons, exchanged or repaired within 15 days, and repaired free of charge beyond 15 days and within the warranty period.
3. Axiomtek provides customers with lifelong repair and maintenance services, for products beyond the warranty period, our company can still continue to provide customers with repair and maintenance services, but will charge a reasonable labour and material costs as appropriate.

### Exclusions from warranty

1. Failures and damages caused by human damage, use in abnormal working conditions, and use not in accordance with the instructions.
2. Without the company's consent users privately dismantle the machine, maintenance, modification, etc. caused by the failure or damage.

3. Damage caused by force majeure (e.g. flood, lightning, earthquake, tsunami, fire, high voltage, etc.).
4. Failure to produce valid proof of warranty (warranty card, invoice or receipt, etc.).
5. Machine barcodes, tamper-evident labels are damaged or illegible.
6. Normal use old, worn, cracked, etc.

## **statement denying or limiting responsibility**

This user manual has been prepared with the utmost care to ensure the accuracy and completeness of its contents, but we do not accept any responsibility for any errors or omissions that may occur. Due to the continuous development of technology and products, we reserve the right to change product design and specifications without notice. This manual may not be reproduced, modified or translated in any form without our prior written authorisation.

# warranty card

## Purchase Information

Purchase of units:\_\_\_\_\_

Unit contact number:\_\_\_\_\_

Unit mailing address:\_\_\_\_\_

Date of purchase:\_\_\_\_\_

## Host Information

Host Model:\_\_\_\_\_

Product Serial Number:\_\_\_\_\_

## caveat

This warranty card applies only to the three-pack service for the main unit and accessories with the serial number listed above.

Please keep this warranty card in a safe place and present it and the relevant invoice when enjoying the three guarantees.

This card needs to be stamped by the selling unit to be valid.

Human damage is not covered by the warranty, please refer to the "Service Policy" for specific warranty coverage.



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