Retekess

Call Pager/Calling Button
User Manual

Wireless calling system

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Retekess

Wireless Calling System
User Manual

Summary

Thanks for choosing this wireless calling system. The receiver host adopts RF wireless and learning code technology. It can easily pair up to 999 channels of wireless calling transmitters and 1 manager remote controller. The receiver host uses advanced industrial micro processor and high sensitivity superheterodyne receiving technology which make the products very stable.
At same time, the wireless calling receiver host has advanced number speaker function, it can clearly read the number, function, room number and so on and compatibly for different working mode, suitable for different places.
The wireless calling system has millions of different code which can be paired easily and freely. And it is widely used in restaurant, café, bar, tea shop, KTV, bank, office, factory, hotel, hospital and so on.

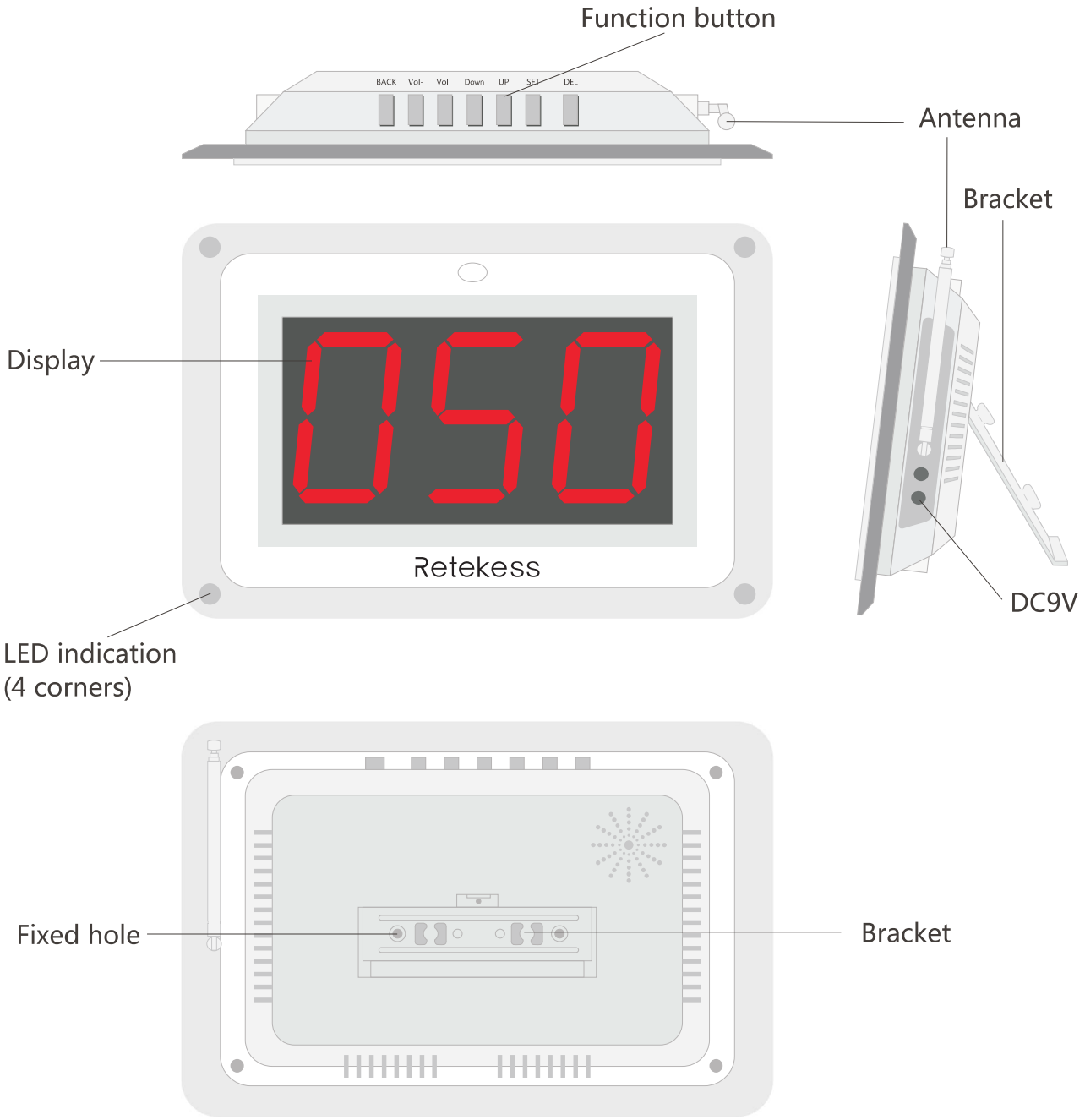
Features

Adopt the latest industrial stable chipset.
Independent storage avoiding data lost
Calling number speaker
Colorful LED indication
Multiple working mode optional for different places
Self testing technology makes it working well every time
Super error correction
Address data only avoiding repeat
Menu setting voice prompt, easy to set
Calling records display can be fixed or cycle
Calling records cycle display time is adjustable
Timeout calling display flickering prompt
Adjustable volume
Restore the factory default function
High receive sensitivity
LED tube display, easy to read
Beautiful designing and portable to move

Technical data

Working frequency: 315MHz /433.92MHz
Working voltage: DC9V/1A
Working current: <600mA
Standby current: <60mA
Sensitivity: -110dBm

Diagram



Button Function

BACK Back to previous menu or standby status.

Vol Volume decrease.

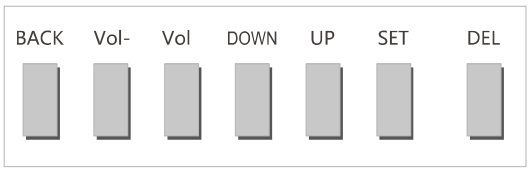
Vol Volume increase.

DOWN Short press to turn down one by one, long press for quick.

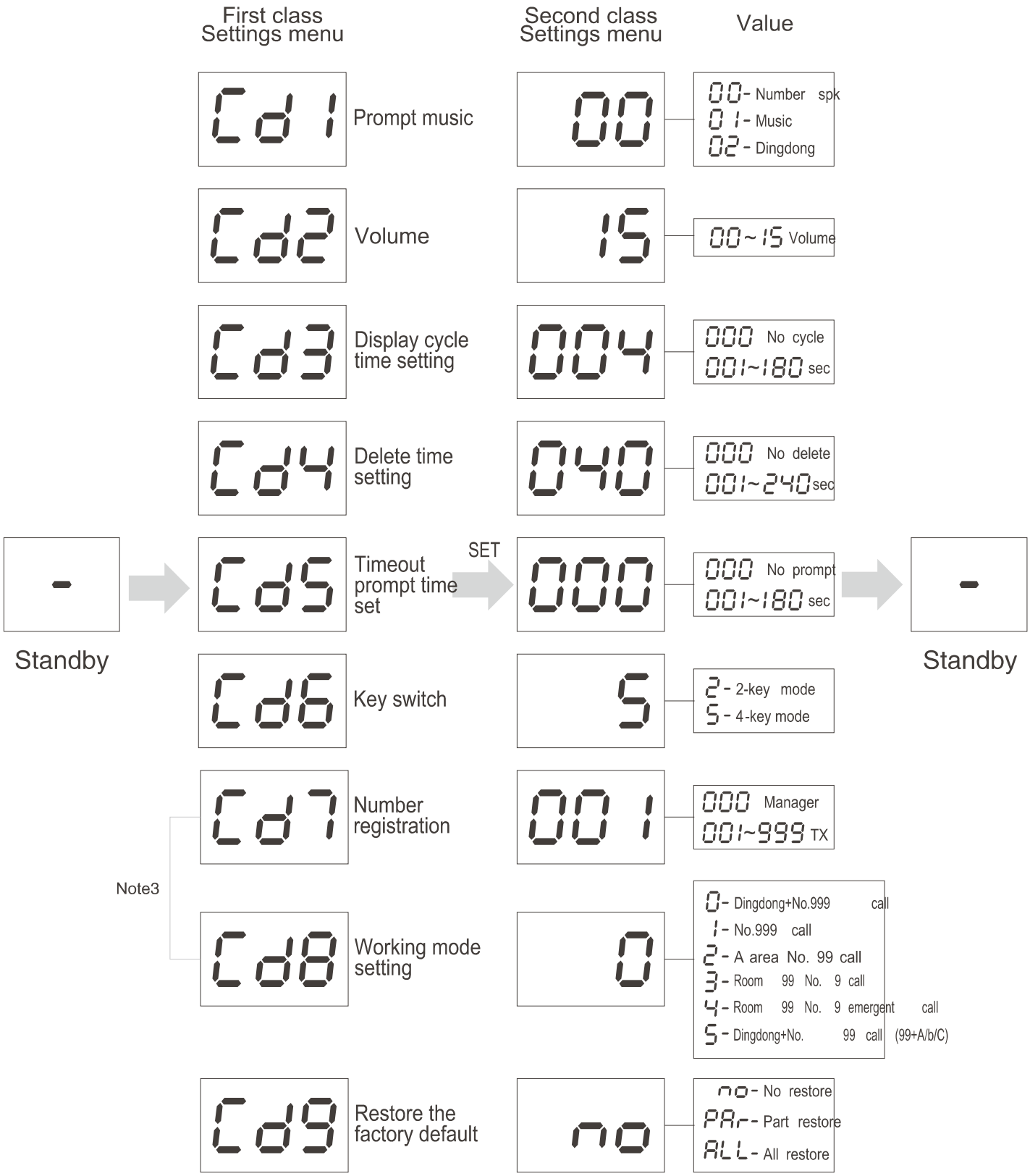
UP Short press to turn up one by one, long press for quick.

SET Long press 2sec to enter settings mode; short press to submenu.

DEL Delete calling records history or delete paired transmitter button.



Settings Diagram



Note:

1. Long press “SET” for 2 sec to settings menu.
2. In second class settings menu, press “UP/DOWN” to adjust the parameter value.
3. First time use, please set the working mode in advance.
4. For more information of each item, please check the below instruction.

Screen Display function

0 Cd8-mode 0: Normal mode 1

Number 001~999

1 Cd8-mode 1: Normal mode 2

Number 001~999

Note: display is same to mode 0, but less dingdong voice.

2 Cd8-mode 3: Area mode

Area A~F Number 01~99

Note: the area shows 6, 7, 8, 9, A, b, C, d, E, F

3 Cd8-mode 3: Room mode

Room 01~99 Table 1~9

4 Cd8-mode 4: Hospital mode

Room 01~99 Bed 1~9

5 Cd8-mode 5: 99-channel mode

A: order
b: call
C: pay

01~99 A/b/C

Operation Instruction

Self test when power on

When the receiver host is power on, it starts initialization program. The 4 corner LED indicators will flicker and display will show the digits from 000 to 999 along with the prompt music.

Function settings

At first time using, please do the settings like below. After all the settings are finished, please power off the host and reset.

Long press the “SET” button for 2 sec to enter the first class settings menu. Then press “UP/DOWN” button to select the menu from Cd1 to Cd9. And press “SET” button to enter submenu.

1 Cd1 Prompt music

Press SET button to enter Cd1 submenu. The display will show 00 , then press UP/DOWN to select sound prompt mode.

00: number speaker mode
01: music prompt mode
02: dingdong prompt mode
Press “BACK” button to previous menu or quit to standby status.

2 Cd2 Volume

Press SET button to enter Cd2 submenu. The display will show 15 , then press UP/DOWN to adjust the volume from “01" to “15" different level. “00" means mute.
Press “BACK” button to previous menu or quit to standby status.
Note: In standby status, press the “Vol+/-” to adjust the volume directly.

3 Cd3 Display cycle time setting

Press SET button to enter Cd3 submenu. The display will show 004, then press UP/DOWN to adjust the display cycle time from “001" to “180" seconds. “000" means no cycle.
This function is that when there are several calling records, they will cycle display one by one automatically.
Press “BACK” button to previous menu or quit to standby status.

4 Cd4 Delete time setting

Press SET button to enter Cd4 submenu. The display will show 040, then press UP/DOWN to adjust the auto delete time from “001" to “240" seconds. “000" means no auto delete function.
This function is that when there is a calling record on the screen, after some time, the record will be deleted automatically.
Press “BACK” button to previous menu or quit to standby status.

5 Cd5 Timeout prompt time setting

Press SET button to enter Cd5 submenu. The display will show 000 , then press UP/DOWN to just the timeout prompt time from “001" to “180" seconds. “000" means no timeout prompt function.
When the time is set, in the time, the service person should go to provide service, or not, the display screen will flicker to prompt to do it.
Press “BACK” button to previous menu or quit to standby status.

6 Cd6 key switch mode setting

Press SET button to enter Cd6 submenu. The display will show 5 , then press UP/DOWN to just the key mode.
“2" means 2-key mode, which is suitable for 1/2-button calling transmitters.
“5" means 4-key mode, which is suitable for 1/3/4/5/6-button calling transmitters.

7 Cd7 Number registration setting (Transmitter paring or deleting)

Before do the pairing, please refer to (8) Cd8 to set the working mode. Such as normal restaurant mode, area mode, room mode or hospital mode.
Press SET button to enter Cd7 submenu. The display will show 001, then press UP/DOWN to select the number of calling transmitter.

Pair calling transmitter

Press “UP/DOWN” button select one of the number, for example “001”, and then press any button on the transmitter, the speaker will sound “successful registration” and the display screen turn to next number “002” automatically. Then you can continue to do the next pairing up to number 999 transmitter (normal mode). After finish the pairing, press “BACK” button to previous menu or quit to standby status.
Note: 1) long press “UP/DOWN” button to jump the numbers quickly.
2) While the number is paired, the 4 corner LED indicators will be flicker, or not, if the LED indicators are off, it means the number has no paired transmitter.
3) In area mode, the first digit of three is the area, it can show 6/7/8/9/A/b/C/d/E/F, the last

two digits means the number from 01 to 99 in one area, press “UP/DOWN” button to select suitable area and number.

4) In room or hospital mode, the first two digits means the room number from 01 to 99, the last one digit means the desk/bed number in one room from 1 to 9, press “UP/DOWN” button to select suitable room and number.

Delete calling transmitter

Press “UP/DOWN” button select one of the number which want to delete. For example number 003, the display shows “003” and the 4 corners LED indicators flicker. Then press “DEL” button, the LED indicators will be off which means the number 003 transmitter is deleted.

Pair the manager remote

The manager remote is optional, when need it, please pair it to number 000. Then you can use the button on remote to replace the button on the receiver host.

8 Cd8 Working mode setting

Press SET button to enter Cd8 submenu. The display will show 0 , then press UP/DOWN to select the working mode from 0 to 4.

0: screen display 001~999, sound “Dingdong+No. 1~999 call”
1: screen display 001~999, sound “No. 1~999 call”
2: screen display A01~F99, sound “Dingdong+A area+No. 1~99 call”
3: screen display 011~999, sound “Dingdong+Room 1~99+No.1~9 call”
4: screen display 011~999, sound “Dingdong+Room 1~99+No.1~9 emergency call”, this mode is used in hospital.
5: screen display 01A/b/C~99A/b/C, sound “Dingdong+No.1~99 call”. The function is 99 channels and show the button function, A/b/C.

Note: After finish the function, please power off and restart the host to ensure the function is confirmed.

9 Cd9 Restore the factory default setting

Press SET button to enter Cd9 submenu. The display will show no , then press UP/DOWN to select restore function.

No: don’t do restore function
PAt: restore the default expect “number registration” setting.
ALL: All the settings will be restored to default settings like below:

1) Cd1: 00 (number speaker)
2) Cd2: 15 (volume is 15 level)
3) Cd3: 004 (records display cycle time is 4s)
4) Cd4: 040 (auto delete records time is 40s)
5) Cd5: 000 (no timeout prompt)
6) Cd6: 5 (4 key mode)
7) Cd7: 001 (no paired transmitter)
8) Cd8: 0 (normal mode)

Select one option and press “SET” button, after 3s the host will restore to default settings and turn back to standby status automatically.

Packing List

Name	Quantity
Receiver host	1 pcs
Power adaptor	1 pcs
User manul	1 pcs
Warranty card	1 pcs

FAQ

Problems	Reasons	Solutions
While power on, the receiver host has no response.	The power adaptor is broken.	Change the power adaptor.
The signal of some transmitters is not enough.	The power of battery is low.	Change the battery.
Receiver host cannot get some transmitters of them.	These transmitters are deleted.	Pair these transmitters again to the receiver host.
No voice prompt while power on or calling.	The volume is lowest.	Adjust the volume louder.

Call Pager
Press CALL button to call

Warning

ATTENTION!	Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

Local Government Regulations

When the radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retekess radio has a RF Exposure Product Label. Also, your user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Compliance with RF Exposure Standards (If appropriate, Reference to the actual product's Safety Marking)

Your Retekess radio is designed and tested to comply with a number of national and International standards and guidelines (listed below) for human exposure to radio frequency electro-magnetic energy.

FCC ID

The FCC ID means: This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty factors of up to 50% talk-50% listen and is approved for occupational use only.

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, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

NOTE

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.

Warning

• 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.

CE

The CE marking means: Hereby, Henan Eshow Electronic Commerce Co.,Ltd. declares that the radio equipment type is in compliance with the RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU. The full text of the EU declaration of conformity is available at the following internet address: www.tivdio.com

IC ID

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
• This device may not cause interference, and
• This device must accept any interference, including interference that may cause undesired operation of the device.

In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Avoid Choking Hazard

Small Parts. Not for children under 3 years.

Protect your hearing

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.

Turn off your radio power in the following conditions:

• Turn off your radio before removing (installing) a battery or accessory r when charging obattery.
• Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (inflammable gas, dust particles, metallic powders, grain powders, etc.).
• Turn off your radio while taking on fuel or while parked at gasoline service stations.

To avoid electromagnetic interference and/or compatibility conflicts

• Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.
• Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Warning

Avoid Burns

Antennas

• Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.

Batteries (If appropriate)

• When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects.

Long transmission (If appropriate)

• When the transceiver is used for long transmissions, the radiator and chassis will become hot.

Safety Operation

Forbid

• Do not use charger outdoors or in moist environments, use only in dry locations /conditions.
• Do not disassemble the charger, that may result in risk of electrical shock or fire.
• Do not operate the charger if it has been broken or damaged in any way.
• Do not place a portable radio in the area over an air bag or in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.

To reduce risk

• Pull by the plug rather than the cord when disconnecting the charger.
• Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
• Contact Retekess for assistance regarding repairs and service.

EU Importer
Name：Germany Retevis Technology GmbH
Address：Uetzenacker 29,38176 wendeburg