

FreeTalk™ UBZ-AM14 INSTRUCTION MANUAL

THANK YOU

We are grateful you decided to purchase **KENWOOD** product and welcome you to the Family Radio Service (FRS). FRS is personal, short range 2-way radio band for family & friends to keep in touch without the need for license, radio knowledge, or monthly charges. Your **KENWOOD** FreeTalk is called a 'transceiver', meaning 'transmitter' and "receiver". Your transceiver provides safety and convenience almost anywhere, indoor or outside. The distance depends on your location; you'll get maximum distance of up to approximately 2 miles in open areas, less in buildings or vehicles. **KENWOOD** believes you will be satisfied with this product's quality and features.

PRECAUTIONS

- Do not modify or attempt to adjust the transceiver for any reason.
- Avoid extremes in exposure to weather, heat, and cold. This transceiver is water resistant but not waterproof.
- Do not expose the transceiver to long periods of direct sunlight, nor place the transceiver close to heating appliances.
- Do not place the transceiver in excessively dusty areas, humid areas, wet areas, nor on unstable surfaces.
- If an abnormal odor or smoke is detected coming from the transceiver, immediately switch OFF the power and remove the batteries or battery pack from the transceiver. Contact your **KENWOOD** dealer.

GENERAL FEATURES

- 14 CHANNELS
- 32 STEP DIGITAL UP/DOWN VOLUME CONTROL WITH 8 LEVEL DISPLAY WITH BEEP
- 500mW POWER OUTPUT
- BATTERY SAVER FUNCTION
- LOW BATTERY WARNING BEEP
- CHANNEL SELECT UP/DOWN BUTTON WITH BEEP
- CALL TONE TRANSMIT FUNCTION
- AUDIBLE LOW BATTERY WARNING BEEP
- UP TO 2 MILES COMMUNICATIONS RANGE
- 30 HOURS OPERATION WITH ALKALINE CELLS (RATIO OF TRANSMISSION, RECEPTION AND STAND-BY PERIODS IS 1:1:8)

CONTROL DIAGRAM



INSTALLING / REMOVING BATTERY

This transceiver requires 4 AAA batteries. Use high quality alkaline batteries to enjoy longer periods of battery life. An audible warning beep is generated when battery level is very low. Reception is still enabled, but battery replacement is required.

1. Release the battery cover LATCH, then remove the battery cover.
2. Insert (or remove) the 4 AAA batteries.
3. Observe battery polarity indicated in the battery compartment.
4. Align the battery cover, then lock it using the LATCH.

OPERATION

POWER ON/OFF

Press and hold the POWER key for (0.5) seconds to power on / off.
At the power on, Back-light displays for (4) seconds

RECEPTION

Press the UP (Down) key to increase (decrease) the volume. The unit features 32 steps digital volume control. The speaker sounds when correct signal (same channel) is received.

- You have to select the same channel as your party.
- Press and hold the UP (Down) key to continuously change.

TRANSMISSION

Press the PTT key for transmission. Speak slowly and clearly in a normal tone of voice about 2-3 inches away from the microphone. TX icon appears on the LCD during transmission. Release the PTT key to return to receive / stand-by mode.

CALL

Press and release the CALL key to transmit an audible Call Tone. The unit rings for 1200 milliseconds. The unit automatically returns to receive / stand-by mode when the Call transmission is over.

CHANNEL SELECTION

The channel digits blink when the MENU key is pressed. Press the UP (DOWN) key to increase channels (or decrease). To select a channel and return to receive / stand-by mode press MENU, PTT, CALL or MONITOR key and no key entries for (4) seconds.

- Press and hold the UP (Down) key to continuously change.
- At Power On/Off, the selected channel will not be changed.

FREQUENCY CHART

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|
| 1 | 462.5625 | 6 | 462.6875 | 11 | 467.6375 |
| 2 | 462.5875 | 7 | 462.7125 | 12 | 467.6625 |
| 3 | 462.6125 | 8 | 467.5625 | 13 | 467.6875 |
| 4 | 462.6375 | 9 | 467.5875 | 14 | 467.7125 |
| 5 | 462.6625 | 10 | 467.6125 | | |

TONE SELECT

After press the MENU key twice and press the UP/DOWN key to select the desired Tone. Press the UP/DOWN key to return to the Repeat Mode for more than (0.2) seconds.

At press and hold the UP/DOWN key, channel will be changed automatically and will check the Channel Busy. To select a channel and return to receive / stand-by mode press MENU, PTT, CALL or MONITOR key and no key entries for (4) seconds.

At power On/Off, the selected tone will not be changed.

CTCSS TONE NUMBER & FREQUENCY

| No. | Freq.(Hz) | No. | Freq.(Hz) | No. | Freq.(Hz) | No. | Freq.(Hz) |
|-----|-----------|-----|-----------|-----|-----------|-----|-----------|
| 1 | 67 | 11 | 97.4 | 21 | 136.5 | 31 | 192.8 |
| 2 | 71.9 | 12 | 100 | 22 | 141.3 | 32 | 203.5 |
| 3 | 74.4 | 13 | 103.5 | 23 | 146.2 | 33 | 210.7 |
| 4 | 77 | 14 | 107.2 | 24 | 151.4 | 34 | 218.1 |
| 5 | 79.7 | 15 | 110.9 | 25 | 156.7 | 35 | 225.7 |
| 6 | 82.5 | 16 | 114.8 | 26 | 162.2 | 36 | 233.6 |
| 7 | 85.4 | 17 | 118.8 | 27 | 167.9 | 37 | 241.8 |
| 8 | 88.5 | 18 | 123 | 28 | 173.8 | 38 | 250.3 |
| 9 | 91.5 | 19 | 127.3 | 29 | 179.9 | | |
| 10 | 94.8 | 20 | 131.8 | 30 | 186.2 | | |

VOLUME CONTROL

Press the UP/DOWN key to increase(to decrease) the volume level from 1 to 32(from 32 to 1)

- Press the UP/DOWN key to return to Repeat Mode for more than (0.2) seconds.
- When power On/Off, the volume level will be not changed.
- The volume level will be changed to original level during replacing a battery.

MONITOR KEY

1. Monitor On/Off
2. Continuous Monitor Mode On/Off

- Normal Monitor Mode
During pressing the Monitor key, Audio is On and RX Icon appears on the LCD. Release the key to return to Stand-by Mode and Audio will be muted
- Continuous Monitor Mode
Press the Monitor key for more than (3) seconds, Monitor Mode will be operated with Single Beep (RX Icon appears on the LCD)

BACK LIGHT ON/OFF

When any key is pressed, the LCD will be illuminated.

The lamp will be out after (5) seconds.

BATTERY SAVER

After (4) seconds elapse with no key entries, no call received, and no transmission, Battery Saver automatically functions. It repeats switching ON and OFF the power to the receiver at certain ratios to maximize battery life. You cannot switch OFF this function.

SPECIFICATIONS

| | |
|---|---|
| Frequency range | 462.5625 – 467.125 MHz (14 Channels) |
| Supply voltage (rated voltage) | 6.0 V |
| Transmit output power | 500mW |
| Dimensions (W x H D, projection not included) | 0.00 X 0.00.0 x 0.0.0 mm (0.00 x 0.00 x 0.00 inches) |
| Weight (with 4 AAA batteries) | Approx. 000g (0.0 oz.) |

NOTICES TO USER

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.

One or more of the following statements may be applicable:

FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

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 generate 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 the 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.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

SAFETY INFORMATION

Your wireless hand-held portable transceiver contains a low power transmitter. When the Push-to-Talk (PTT) button is pushed it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

CAUTION: To maintain compliance with the FCC's RF exposure guidelines hold the transmitter and antenna at least 2 inch (5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away from the face. If you wear the handset on your body while using the headset accessory, use only the Kenwood supplied belt clip for this product and when transmitting, take it out of the belt to ensure that the antenna is at least 1 inch (2.5 centimeters) from your body. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

KENWOOD

LIMITED WARRANTY STATEMENT

Kenwood Communications Corporation ("KENWOOD") warrants this product for ninety (90) days on parts and labor, measured from the date of purchase by the first end user. This Warranty is enforceable only by the first end user.

Except as specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered by the Warranty:

1. Damage, deterioration or failure resulting from:
 - A. Accident, misuse, abuse, neglect, product modification or failure to follow Instructions contained in your Owner's Manual.
 - B. Repair or attempted repair by anyone not authorized by KENWOOD.
 - C. Installation of parts that do not conform to the quality or specifications of the original parts.
2. Damage or loss occurring during shipment (claims must be presented to the carrier).
3. Any unit which is not new when sold to the first end user or upon which the serial number has been defaced, modified or removed.

Your KENWOOD transceiver must be returned to the original place of purchase for warranty service. Whenever the product is presented for warranty service, you must supply a sales receipt or other evidence of the date of purchase. Kenwood reserves the right to repair or replace the product with a new or reconditioned product.

Unless considered unlawful or unenforceable under applicable law:

- A. ALL IMPLIED WARRANTIES WITH RESPECT TO KENWOOD TRANSCEIVER, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HEREBY ARE EXCLUDED.
- B. KENWOOD'S LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT, AT KENWOOD'S OPTION, OF ANY DEFECTIVE PRODUCT, AND SHALL NOT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

This Warranty is enforceable only in the United States of America.

If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at 1-800-KENWOOD (USA only).

For customers outside U.S.A. or Canada who purchase this product, please contact your local Authorized Dealer.

1-800-KENWOOD (1-800-536-9663)
USA ONLY