



 | **CLIP*TALK*®**

# **MICRO TWO-WAY RADIO**

OWNER'S MANUAL



**CLIPTALK**

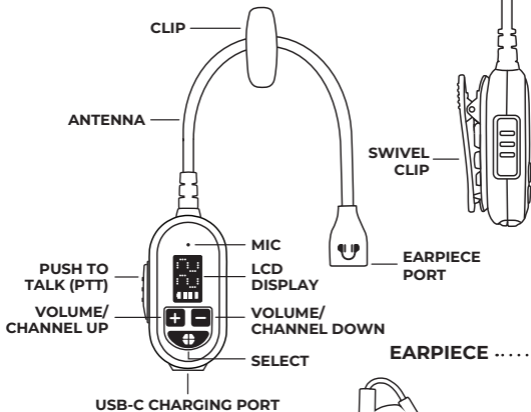
[midlandusa.com](http://midlandusa.com)

**TABLE OF CONTENTS**

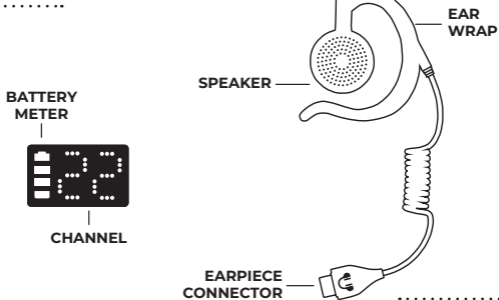
CONTROLS AND DISPLAY .....	3
WELCOME TO CLIPTALK .....	4
KEY FEATURES .....	4
FCC NOTICE .....	5
SYSTEM SPECIFICATIONS .....	6
GET STARTED, ASSEMBLE, AND WEAR .....	6
RADIO POWER .....	7
CHARGING YOUR CLIPTALK BATTERY .....	7
BATTERY INDICATOR .....	7
BASIC OPERATION .....	8
POWER ON/OFF .....	8
TRANSMITTING (TALKING) .....	8
KEY BEEPS .....	8
DISPLAY CHANNEL AND VOLUME .....	9
ADJUST VOLUME UP/DOWN .....	9
CHANNEL SELECTION .....	9
KEY TIMEOUT .....	9
AUTOMATIC NOISE CANCELLATION .....	10
PROGRAMMING MODE .....	10
<b>MIDLAND TWO-WAY RADIO MOBILE APP .....</b>	<b>10</b>
PROGRAMMING FEATURES .....	10
PRIVACY CODES, ROGER BEEP, VOX, AUTOMATIC NOISE CANCELLATION, .....	11
BUSY CHANNEL LOCKOUT .....	12
DEFAULT SETTINGS .....	12
DOWNLOAD MIDLAND APP .....	12
TROUBLESHOOTING GUIDE .....	13
USE AND CARE .....	13
TECHNICAL SPECIFICATIONS .....	14
CHANNEL FREQUENCY .....	14
CTCSS CODES .....	15
DCS CODES .....	16
WARRANTY .....	17
ACCESSORIES .....	18

## CONTROLS AND DISPLAY

### RADIO FOB



### EARPIECE



## WELCOME TO CLIPTALK

### Wearable Clip-On Communication

Thank you for choosing ClipTalk. This device reimagines the two-way radio as a lightweight, wearable “fob” that clips anywhere, keeping you connected without the bulk of a traditional walkie talkie.

You can also find additional information about the ClipTalk on our website at [midlandusa.com](http://midlandusa.com) or you may contact our Customer Service team at (816) 241-8500 from 9 AM to 4 PM (CT) Monday through Friday for assistance.

## KEY FEATURES

- **22 FRS Channels**

- **121 Privacy Codes**

(38 CTCSS / 83 DCS) to block out unwanted communications.

- **USB-C Charging**

For universal convenience.

- **Automatic Noise Cancellation (ANC)**

Filters out background noise.

- **VOX Hands-Free (Voice Activation)**

For completely hands-free transmission.

- **Roger Beep**

When user releases the Push-To-Talk/PTT button to let the other person(s) know you have finished speaking.

- **Busy Channel Lockout**

Prevents the user from transmitting when the current channel is already in use.

- **Key Beep**

Each time a button is pressed.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device does not cause harmful interference, and (2) this radio must accept any interference that may cause undesired operation.

To maintain compliance with FCC's RF exposure guidelines, for body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Midland Radio Corp. Accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

**IMPORTANT:** This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**IMPORTANT:** Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement.

**IMPORTANT:** Changes or modifications to this unit not expressly approved by **MIDLAND RADIO CORP.** could void your right to operate this unit. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the COMMUNICATOR to exceed those limitations. Any adjustment to your radio must be made by qualified technicians.

**SYSTEM SPECIFICATIONS**

Feature	Detail
Channels	22 FRS Channels
Privacy	121 Codes (38 CTCSS / 83 DCS)
Audio	Automatic Noise Cancellation (ANC)
Hands-Free	VOX Capable
Power	USB-C Rechargeable Battery

**GET STARTED: ASSEMBLE AND WEAR**

ClipTalk is designed to be worn on your person, not carried in your hand like traditional handheld walkie talkies.



**Important: The ClipTalk radio does not have an internal speaker. You must attach the earpiece to hear incoming audio. The earpiece does not have to be attached to charge the radio.**

**1. Connect the Earpiece for Audio**

- Locate the Earpiece Port at the end of the antenna cable on the main fob unit. (Not the port on the fob itself – that is for the charging cable).
- Plug the earpiece into this port.

**2. Clip It On**

- The Radio Fob (main unit): Use the integrated clip to attach the radio body to your collar, lapel, backpack strap, or pocket.
- The Earpiece: Place the earpiece over your ear.

## RADIO POWER

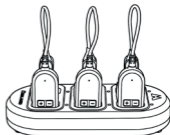
The ClipTalk radio is powered by an internal lithium polymer battery. This battery is non-removable and is not user serviceable. The ClipTalk battery will provide 8 hours of battery life with nominal usage when fully charged.

## CHARGING YOUR CLIPTALK BATTERY

The ClipTalk radio can be charged from any USB-C type power supply. To charge your radio, connect one end of the supplied USB-C cable into any USB-C power source. Connect the opposite end of the cable to the type-C charging port directly on the ClipTalk fob. The ClipTalk will show the battery level icon with 1 section flashing to indicate that it is charging. When the unit is fully charged, the display will go blank and the unit will turn off.

Charging the ClipTalk from empty to full will take approximately 1 hour, 30 minutes.

*For charging multiple ClipTalk radios at once, the desktop multi-unit charger is ideal. Plug in the desktop charger using the USB-C cable and wall mounting charging block, then inset ClipTalk radio into one of the 6 slots.*



## BATTERY INDICATOR

The current charge level of the ClipTalk radio battery is indicated by the battery level icon on the display. The greater the number of bars visible, the greater the charge level of the internal battery.



When the battery level is low, the ClipTalk will beep twice about every 45 seconds to let the user know it is time to recharge the unit.

## BASIC OPERATION

### 1. Power On/Off

- To turn on the ClipTalk, press and hold "Select" for 3 seconds.
  - Display will turn on and show the battery icon and channel number.
  - If there is no activity for 5 seconds, the display will turn off.
  - When there is no activity, the bottom segment of the battery icon will flash every 5 seconds to indicate that the unit is active.
- To turn the ClipTalk off, press and hold "Select" for 3 seconds. When the Select key is pressed, the display will show battery status and channel and then go blank when power is off.



**TIP** – To check whether a ClipTalk unit is powered on, press and release the PTT key. If power is on, the display will show battery status and channel number. If the display remains blank, the unit is powered off.

### 2. Transmitting (Talking)

You can communicate in two ways: Push-to-Talk (Manual) or VOX (Hands-Free).

#### • **Method A: Push-to-Talk (PTT)**

To transmit, press and hold the Push-to-Talk/PTT button while speaking close to the microphone. You will hear a "Roger Beep" (confirmation tone) when you release the PTT button to let others know you have finished talking.



Transmitting on channel 12  
Battery shows "full".

### 3. Key Beep

The user will hear a beep in the earpiece each time + **or** - is pressed.

- If the PTT is pressed for more than 1 minute continuously, the unit will stop transmitting, the display will go blank and the radio will not transmit again until the PTT is released and pressed again.
- When transmitting, the active channel number and battery status will show on the display.

#### • **Method B: VOX (Hands-Free)**

- See Mobile App Section

#### 4. Display Channel and Volume

- If the display is blank, pressing and releasing SELECT will cause the display to turn on and show the current Channel and battery status.

#### 5. Adjust Volume Up/Down

- To adjust the volume, press the + key to increase and the – key to decrease. Audible tones in the earpiece will indicate an increase or decrease in volume setting.

#### 6. Channel Selection

- To select the desired channel, press and hold the + **or** – key for 3 seconds. The channel number will begin to increase or decrease. When the desired channel (1 to 22) shows on the display, release the + **or** – key. The radio will now display the selected channel.



#### 7. Key Timeout

- After 5 seconds of no key activity, the display will go blank. The bottom segment of the battery icon will blink every 5 minutes to indicate that the unit is powered on.

### 8. Automatic Noise Cancellation (ANC) On/Off

- Holding down the PTT when turning the radio on will cause ANC to toggle between on and off. When the unit powers on, the display will show either “On” or “Off” depending on the previous state.



### 9. Programming Mode – See next section on Midland Two-Way Radio Mobile App

## MOBILE APP

### MIDLAND TWO-WAY RADIO MOBILE APP

(QR Code for download on page 12)

#### Programming Features Exclusive to the Midland Mobile App

Your ClipTalk radio has several features that can be selected exclusively by using the Midland Two-Way Radio app on your iOS or Android phone.

**To connect with the Midland Two-Way radio app**, you must place your ClipTalk radio into Programming Mode.

To place your ClipTalk radio into Programming Mode:

- Assure that your ClipTalk radio is powered on.
- Press and hold both the + **and** – keys on your ClipTalk until you see a series of 3 dots moving counter counterclockwise on the display.
- At this time, your radio is discoverable with the Midland Two-Way Radio app.





**NOTE:** The ClipTalk unit will remain in Programming Mode until it either connects with the Midland app or PTT is depressed.

When the ClipTalk is connected to the Midland app, the ClipTalk will display a flashing cross symbol.



**The following features are controlled by the Midland app:**

### 1. Privacy Codes

Privacy codes allow your ClipTalk to ignore transmissions that do not use the selected privacy code.



**NOTE:** Privacy codes offer interference elimination, not true security. Any radio can listen if it is set to not have a privacy code.

### 2. Roger Beep

When the PTT button is released, the radio will transmit a beep to confirm to other users that your transmission has finished.

### 3. VOX Hands-Free (Voice Activation)

ClipTalk supports Voice-Activated Transmission (VOX), which automatically transmits when it detects your voice, allowing for truly hands-free operation.

VOX sensitivity can be set at 3 levels (1-3), with Level 1 being the most sensitive.

- Once active, simply speak to transmit. The radio will stop transmitting automatically when you stop speaking. Note, there will be a slight delay so it is best to start with a word that does not need to be transmitted such as "Hey Midland".

### 4. Automatic Noise Cancellation (ANC)

Turning on ANC will reduce some background noise when in a noisy environment.

## 5. Busy Channel Lockout

The busy channel lockout feature prevents the user from transmitting when there is other activity on the current channel. When pressing the PTT, the user will hear an alternating tone in the earpiece if the channel is busy due to another transmission.

### Default Settings

Your ClipTalk radio is shipped with the following settings:

- |                         |      |
|-------------------------|------|
| • Privacy Codes:        | None |
| • Roger Beep:           | On   |
| • VOX:                  | Off  |
| • ANC:                  | On   |
| • Busy Channel Lockout: | On   |

To get the Midland Two-Way Radio app for your iOS or Android phone, scan the QR code shown below:



QR Code takes you to a page with both download options

## TROUBLESHOOTING GUIDE

### PROBLEM

### SOLUTION

No Power	– Make sure unit is fully charged.
Cannot Receive Messages	<ul style="list-style-type: none"> <li>– Confirm the radios have the same channel and privacy settings.</li> <li>– Make sure that you are within range of the other transceivers.</li> <li>– Buildings and other structures may interfere with your communication.</li> </ul>
Radio is not responding to button presses	– Radio might need to be reset. Turn radio on while holding PTT and + while pressing select key. The radio will show rE and then channel 01.
Charging not functioning	– Ensure the USB jack where the USB cable is plugged in is functioning properly.
Radio is beeping an alternating tone when I push the PTT	– Busy lockout is on and someone is using the channel so you cannot transmit

## USE AND CARE

1. Use a soft damp cloth to clean the radio.
2. **Do not** use alcohol or cleaning solutions to clean the radio.
3. **Do not** immerse the radio in water.
4. Dry the radio with a dry lint-free cloth should it get wet.

If you have a problem which you believe requires service, please contact customer service. Many problems can be remedied over the phone or email.

**TECHNICAL SPECIFICATIONS****Channels:** 22 FRS Channels +121 Privacy Codes**Operating Frequency:** UHF 462.5500 ~ 467.7125 MHz**Power Source:** Internal 3.7V 450mAh, Lithium Polymer Rechargeable Battery.  
Non-Removable / Not User Serviceable**CHANNEL FREQUENCY****FRS Channel Frequency Assignment**

<b>Channel</b>	<b>Frequency</b>	<b>Channel</b>	<b>Frequency</b>
1	462.5625	12	467.663
2	462.5875	13	467.688
3	462.6125	14	467.713
4	462.6375	15	462.550
5	462.6625	16	462.575
6	462.6875	17	462.600
7	462.7125	18	462.625
8	467.5625	19	462.650
9	467.5875	20	462.675
10	467.6125	21	462.700
11	467.6375	22	462.725

There are 2 different types of privacy codes - analog (CTCSS) and digital (DCS). The following codes are available in the Midland ClipTalk:

## ANALOG

CTCSS CODES			
No.	Freq.	No.	Freq.
1	67.0	20	131.8
2	71.9	21	136.5
3	74.4	22	141.3
4	77.0	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.4	26	162.2
8	88.5	27	167.9
9	91.5	28	173.8
10	94.8	29	179.9
11	97.4	30	186.2
12	100.0	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3

## DIGITAL

DCS CODES					
No.	Freq.	No.	Freq.	No.	Freq.
1	23	29	23	57	445
2	25	30	25	58	464
3	26	31	26	59	465
4	31	32	31	60	466
5	32	33	32	61	503
6	43	34	43	62	506
7	47	35	47	63	516
8	51	36	51	64	532
9	54	37	54	65	546
10	65	38	65	66	565
11	71	39	71	67	606
12	72	40	72	68	612
13	73	41	73	69	624
14	74	42	74	70	627
15	114	43	114	71	631
16	115	44	115	72	632
17	116	45	116	73	654
18	125	46	125	74	662
19	131	47	131	75	664
20	132	48	132	76	703
21	134	49	134	77	712
22	143	50	143	78	723
23	152	51	152	79	731
24	155	52	155	80	732
25	156	53	156	81	734
26	162	54	162	82	743
27	165	55	165	83	754
28	172	56	172		

**LIMITED WARRANTY (United States)**

Subject to the exclusions set forth below, Midland Radio Corporation will repair or replace, at its option without charge, any Midland FRS/GMRS which fails due to a defect in material or workmanship within three years following the initial consumer purchase.

This warranty does not apply to water damage, battery leak, abuse or misuse of unauthorized accessories, unauthorized service or modification or altered products. Accessories have a 90-day warranty from date of purchase, including any charge cables or batteries.

ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED AS SET FORTH HEREIN AND TO THE DURATION OF THE LIMITED WARRANTY, OTHERWISE THE REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MIDLAND BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE, GROSS NEGLIGENCE, BODILY INJURY, PROPERTY DAMAGE AND DEATH) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

For Product Purchased in the USA contact **support@midlandusa.com**.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

**NOTE:** The above warranty applies only to merchandise purchased in the United States of America or any of the territories or possessions thereof, or from a U.S. Military exchange.

To register your product for a warranty claim, please visit

**<http://midlandusa.com/apps/product-registration>** and contact Customer Experience at **support@midlandradio.com** for any additional assistance.

**Midland Radio Corporation  
Warranty Service Department  
5900 Parretta Drive,  
Kansas City, MO 64120**

**ACCESSORIES**

Over-The-Ear Earpiece



Surveillance Earpiece



6-Pack Desktop Charger



USB-C Charging Cable





We'd love to hear from you! Let us know what you think of your new Midland product on our social channels:



or by visiting us at  
[midlandusa.com](http://midlandusa.com)

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**NOTE:** Features and specifications are subject to change without notice. MIDLAND is not responsible for unintentional errors or omissions on its packaging. MIDLAND promotes environmental sustainability by providing battery recycling. Call 1.800.822.8837 for the nearest drop off site to you.