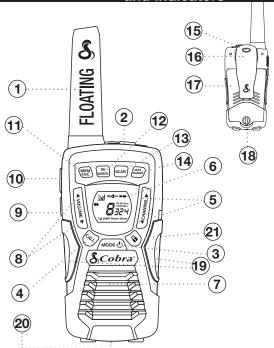


Radio Controls and Indicators



- Antenna 2.
 - External Speaker/ Microphone/ USB Charge Jack
- 3. Mode/Power Button 4. Call Button
- 5. Channel Up/Down
- Buttons
- 6. Backlit LCD Display 7.
- Speaker/Microphone 8. Volume Up/Down Buttons
- LED Light Button
- TWO-WAY RADIO MODEL
 - /11035 FLT

- 10. Talk Button
- 11. Memory/Escape Button
- 12. Tri-Watch Button
- 13. Scan Button 14. Max Range Button
- 15. Wrist Strap Connection Belt Clip
- 16. 17.
- 18. 19.
- Battery Compartment Battery Door Screws (2) Rubberized Grips
- 20. **LED** Flashlight
 - Lock Button

KEM-ML38203-31A

Product Features

Features

- 8 Channels
- 121 Privacy Codes (38 CTCSS codes/ 83 DCS codes)
- Hands-Free Operation (VOX)
- VihrAlert®
- Tri-Watch
- Scan Channels. privacy codes
- Backlit LCD Display
- LED Flashlight
- Call Alert Ten selectable tones
- Button Lock
- · Speaker/ Microphone/ Charge Jack
- Roger Beep Selectable On/Off
- Battery/Power Saver
- Kevstroke Tones
- Battery Level Indicator
- Low Battery Audible Alert
- Auto Squelch
- Maximum Range Extender
- Belt Clip

Backlit LCD Display



- Battery Level Indicator 1.
- 2. Roger Beep Icon
- 3. VOX Icon
- 4. VibrAlert® / Call Alert Icon
- 5 Lock Icon
- Key Tone Icon 6
- 7. DCS/CTCSS Icons
- 8 Scan/Memory Icon
- 9. Memory Channel Number
- 10. DCS/CTCSS Privacy Code Numbers
- 11. Power Saver Icon
- Channel Numbers
- 13. Receive/Transmit Icon
- 14. Signal Strength Meter
- 15. BURP Icon
- 16. Tri-Watch Icon



Maximum range may vary and is based on unobstructed line-of-sight communication under ideal conditions.

> You are not allowed to use channels 1 and 2 in France. This situation can change; please contact the French radio licensing authority for more information.

Product Information

This MicroTALK®radio has been manufactured to meet all required standards for radio equipment using PMR 446 frequencies as authorized. The use of this two-way radio product involves the public airways and its use may be subject to local laws or regulations. Contact your radio licensing authority for more information.

Caring for Your Radio

Your MicroTALK® radio will give you years of trouble-free service if cared for properly. Here are a few suggestions:

- Handle the radio gently.
- Keep it away from dust.
- . Never put the radio in water or in a damp place.
- Avoid exposure to extreme temperatures.



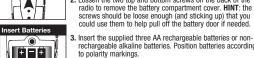
Operation

Installing Batteries

To install or replace batteries:



1. Remove belt clip by releasing belt clip latch and sliding clip up.



2. Lossen the two top and bottom screws on the back of the radio to remove the battery compartment cover. HINT: the screws should be loose enough (and sticking up) that you could use them to help pull off the battery door if needed.



rechargeable alkaline batteries. Position batteries according to polarity markings. 4. Replace battery compartment cover, screw down the screws



and re-attach the belt clip. 5. Tighten the screws using the tip of the belt clip to secure the battery door to the radio. Do not overtighten. Only use the tip

- of the belt clip to tighten the screws. Do not attempt to charge alkaline batteries.
- Do not mix old and new batteries.
- · Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cd, Ni-MH, etc.) batteries.

Caution - Risk of fire or explosion if battery is replaced by an incorrrect type. Dispose of used batteries according to the instructions.



To charge batteries in radio:

- Check to see that the batteries have been inserted properly.
- 2. Insert the cable into the charge lack located at the top of the radio.
- 3. Plug the cable into USB-compatible power source.

Use only the supplied rechargeable batteries and charger for recharging your Cobra microTALK radio.

Cobra recommends your radio is turned off while being charged.

Non-rechargeable alkaline batteries can also be used in your radio.

It normally takes about 15 hours to fully charge batteries.



This radio floats with included NiMH battery. It may not float with some other AA batteries.

Maximum/Minimum Operating Range: -20°C to +45°C. Maximum SAR values: 0.488W/kg for FM 12.5KHz. Frequency Band: 446MHz. Average and maximum radio-frequency power: 350mW.

Nothing Comes Close to a Cobra®





For charging microTALK radio(s) in desktop charger:

- 1. Insert radio(s) into desktop charger as shown.
- 2. Insert the micro-USB cable into jack on back
- Plug the cable into USB-compatible power port. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible

If charging light is not **on**, check position of radio. Radio should be upright. The charge indicator light will stay **on** as long as the radio is in the charging well.

of charger.

Note: To charge a single radio, you can bypass the desktop charger and simply insert the micro-USB's connector directly into the charge jack located on the top of the radio.

The radio will display flashing battery icon while charging. Cobra recommends your radio be turned **off** while being charged.



Quick Start

- 1. Press and hold the **Mode/Power** button to turn **on** your radio.
 - 2. Press the Channel Up or Channel Down button to select a channel.



Both radios must be tuned to the same channel/privacy code to communicate.

- **3.** Press and hold the **Talk** button while speaking into the microphone.
- **4.** When finished talking, release the **Talk** button and listen for a response.

Turning on Your microTALK® Radio



Press and hold the **Mode/Power** button until you hear a series of audible tones indicating the radio is **on**.

Your microTALK® radio is now in **Standby** mode, ready to receive transmissions. The radio is always in **Standby** mode except when the **Talk**, **Call** or **Mode/Power** buttons are pressed.

Battery Low



When battery power is low, the final bar in the **Battery Low** icon will blink and an audible tone will sound twice before the radio shuts off. Your batteries should be replaced or recharged, if using rechargeable batteries.



The radio will display flashing battery icon while charging.

Auto Battery Save



If there are no transmissions within 10 seconds, the radio will automatically switch to **Battery Save** mode and the **Power Saver** icon will flash in the display. This will not affect the radio's ability to receive incoming transmissions.

Communicating with Another Person



- 1. Press and hold the Talk button.
- 2. With the microphone about two inches (5 cm) from your mouth, speak in a normal voice.
- 3. Release the **Talk** button when you are finished talking and listen for a response.

You cannot receive incoming calls while pressing the **Talk** button.



Both radios must be tuned to the same channel/privacy code to communicate.

To Select a Channel



With the radio **on**, select any of the 8 channels by pressing the **Channel Up** or **Channel Down** button.



Both radios must be tuned to the same channel to communicate.



Listening for a Response



Release the **Talk** button to receive incoming transmissions. Your microTALK® radio is always in **Standby** mode while the **Talk** or **Call** buttons are not pressed.

To Adjust Volume



Press the Volume Up or Volume **Down** button.

A double beep sound is used to indicate the minimum and maximum volume levels (1 through 8).

Call Button



Press and release the Call button.

The other person will hear a three second call tone. This tone is used only to establish voice communications.



See page 14 on how to select between ten call tone settings.

LED/S.O.S. Flashlight



Press and release the **LED flashlight** button below the TALK button to use the LED flashlight located at the bottom of the radio.

To activate S.O.S. function, press and hold the **LED flashlight button** to turn on. Press and release to turn off the flashlight or S.O.S. function.

Auto Squelch/Maximum Range

Your microTALK® radio will automatically shut off weak transmissions and unwanted noise due to terrain, conditions or if you've reached your Maximum Range limit.

Can temporally turn off auto squelch for having maximum range extension allowing all signals to be received and extending the maximum range of your radio



To temporarily turn off auto squelch:

Press the **Max Range** button for at least three seconds.

To turn maximum range extender off:

 Press and hold the Max Range button or change channels.

Lock Function



The Lock function locks the Channel Up, Channel Down, Volume Up, Volume Down, TRI Watch, MEM/ESC, Scan and Mode/Power buttons to prevent accidental operation.



To turn the lock on or off:

 Press and hold the **Lock** button for three seconds.

A beep sound is used to confirm your lock **on** or **off** request. When in **Lock** mode, the **Lock** icon will be displayed.

microTALK® Range

Your range will vary depending on terrain and conditions.



In flat, open country your radio will operate at maximum range.

Buildings and foliage in the path of the signal can reduce the range of the radio.

Dense foliage and hilly terrain will further reduce the range of the radio.







Remember, you can achieve maximum range by using maximum range extender. See page 6 for details.

Scrolling Through the Mode Function

By scrolling through the **Mode** function, you will be able to select or turn **on** preferred features of your microTALK® radio. When scrolling through the **Mode** function, your radio features will be displayed in the same predetermined order:



- Set CTCSS Privacy Codes
- Set DCS Privacy Codes
- Set Vox On/Off
- · Set Vox Sensitivity
- Set Call Tones 1-10
- Set VibrAlert On/Off
- Set Roger Beep On/Off
 Set Key Tones On/Off

Privacy Codes

Your microTALK radio incorporates two advanced coded squelch systems that can help to reduce interference from other users on any given channel. CTCSS (Continuous Tone Coded Squelch System) provides 38 privacy codes and DCS (Digitally Coded Squelch) provides 83 privacy codes. This provides a total of 121 **Privacy Codes**. Either system can be used on all channels, but both systems cannot be used on the same channel at the same time.



To successfully communicate using a privacy code, both the sending and receiving radios must be tuned to the same channel and to the same privacy code system (CTCSS or DCS) and privacy code number. Each channel will remember the last privacy code system and number you select.



The privacy code 00 is not a privacy code, but allows all signals to be heard on a channel that is set to 00 on both the CTCSS and DCS systems.

Set CTCSS Privacy Codes



Privacy Code
TW Scan



To select a CTCSS privacy code:

 After selecting a channel, press the Mode/Power button until the CTCSS icon appears and the small numbers next to the channel number flash on the display.



If DCS is turned **on** at the channel selected, the display will flash the CTCSS icon and "OFF." To switch from DCS to CTCSS, press the **Channel Up** or **Channel Down** button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed to step 2.

- Press the Channel Up or Channel Down button to select a privacy code. You can hold the Up or Down button for fast advance.
- **3.** When your desired CTCSS privacy code is displayed, choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - Press Talk or Call button to return to Standby mode.
 - c. Do not press any buttons for 12 seconds to return to **Standby** mode.

Set DCS Privacy Codes





1. After selecting a channel, press the Mode/Power button until the DCS icon appears and the small numbers flash on the display (01 through 83).





If CTCSS is turned on at the channel selected, the display will flash the DCS icon and "OFF." To switch from CTCSS to DCS, press the Channel Up or Channel Down button while the display is flashing "OFF." The display will then show the small numbers flashing and you will then be able to proceed to step 2.

- 2. Press the Channel Up or Channel Down button to select a DCS privacy code. You can hold the Up or Down button for fast advance.
- 3. When DCS privacy code is displayed, choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - **b.** Press **Talk/Call** button to return to **Standby** mode.
 - c. Do not press any buttons for 12 seconds to return to **Standby** mode.

External Speaker/Microphone/Charge Jack



Radio Charger Jack Your microTALK radio can be fitted with an optional external speaker/microphone (not included), freeing vour hands for other tasks.

To attach an external speaker/microphone or charger

- 1. Open the charge tab at the top of the radio.
- 2. Insert the plug into the jack.

NOTE: Excessive sound pressure from earphones and headphones can cause hearing loss.

Voice Activated Transmit (VOX)

In **VOX** mode, your microTALK® radio can be used "hands-free," automatically transmitting when you speak. You can set the **VOX** sensitivity level to fit the volume of your voice and avoid transmissions triggered by background noise.









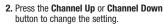
- Press the Mode/Power button until the VOX icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Channel Up or Channel Down button to turn VOX On or Off.
- 3. Choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - b. Press Talk or Call button to return to Standby mode.
 - **c.** Do not press any buttons for 12 seconds to return to **Standby** mode.

To set VOX sensitivity:

 Press the Mode/Power button until the VOX icon flashes and the current sensitivity level is displayed.



The current VOX sensitivity level is displayed with letters "L" and a Number 1 through 5, with Number 5 being the most sensitive level and Number 1 being the least sensitive level.



- 3. Choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - b. Press Talk or Call button to return to Standby mode.
 - c. Do not press any buttons for 12 seconds to return to Standby mode.







10 Memory Locations

Your microTALK radio has 10 Memory Locations for storing your most frequently used channels and channel/privacy code combinations. These Memory Locations can be selected individually or can be scanned. (See page 18 for memory location scan.)





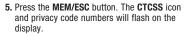
- Press and hold the MEM/ESC button. Memory icon and the Memory Location will flash on the display.
- Press the Channel Up or Channel Down button to select the memory location (0 through 9).



If a location has been programmed before, its associated channel/privacy code will be shown on the display.

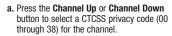


- Press the MEM/ESC button. The channel numbers will flash on the display.
- Press the Channel Up or Channel Down button to select a channel (1 through 8).





6. Choose one of the following:





b. Press the MEM/ESC button to switch from CTCSS to DCS. The DCS icon and privacy code numbers will flash on the display. The Channel Up or Channel Down button can then be used to select a DCS privacy code (00 through 83) for the channel.







If "cF" flashes in place of the privacy code numbers, a privacy code is already set in the opposite (CTCSS or DCS) system. Press the **Channel Up** or **Channel Down** button to cancel the opposite code and select a privacy code from the active system for the selected channel.

7. Choose one of the following:

- a. Press the MEM/ESC button to enter the channel/privacy code in the selected memory location. Radio then proceeds to next memory location, which will blink.
- b. Press and hold the MEM/ESC button to save the current state of the Set Memory Function and press the MEM/ESC button again return to Standby mode.

Note: If not press any button for 12 seconds, it will enter memory recall mode automatically.

MEM/ESC Button

Memory Channel

To recall a stored memory channel location:

- Press the MEM/ESC button, the Memory icon and the memory location number show on the display.
 - 2. Press the **Channel Up** or **Channel Down** button to select a memory location (0 through 9).



If a location has been programmed before, its associated channel/privacy code will be shown on the display.

Press and hold the **Talk** button to communicate with another person as usual



Standy By

Rog Vox (HMH)

CTCSS

Press and hold the MEM/ESC button to return to Standby mode on the selected memory location.



A memory location can be reprogrammed at any time it is displayed. Press the **MEM/ESC** button to begin.

Ten Call Tone Settings

You can choose between ten different Call Tone Settings to transmit a call alert.







To change a call tone setting:

- Press the Mode/Power button until the letter "C" and the current call tone number (01 through 10) is displayed. The current call tone will sound for three seconds.
- 2. Press the Channel Up or Channel Down button to hear the other call tone settings.
- 3. Choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - b. Press Talk or Call button to return to Standby mode.
 - c. Do not press any buttons for 12 seconds to return to Standby mode.

VibrAlert® and Call Alert





Your MicroTALK° radio can alert you to incoming signals by sounding an audible call tone or an audible tone with VibrAlert®

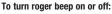
To change call settings:

- 1. Press the Mode button until the Call Setting icon flashes on the display. The current setting ("01" vibrate + ring, "02" ring only) is displayed.
- 2. Press the Channel Up or Channel Down button to change the call setting.
- 3. Choose one of the following:
 - a. Press the Mode button to enter the new setting and proceed to other functions.
 - b. Press Talk or Call button to return to Standby mode
 - c. Do not press any buttons for 12 seconds to return to Standby mode.

Roger Beep Confirmation Tone

Your listener will hear an audible tone when you release the **Talk** button. This alerts the other party that you are finished talking and it is OK for them to speak.





- Press the Mode/Power button until the Roger Beep icon flashes. The current on or off setting is displayed.
- 2. Press the Channel Up or Channel Down button to select roger beep on or off.
- 3. Choose one of the following:
 - a. Press the Mode/Power button to enter the new setting and proceed to other functions.
 - b. Press Talk or Call button to return to Standby mode.
 - c. Do not press any buttons for 12 seconds to return to **Standby** mode.





Channel Button

Key Tone On/Off

When $\mbox{Key Tone}$ is $\mbox{On},$ an audible tone will sound each time a button is pressed.





To turn key tone on or off:

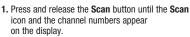
- Press the Mode/Power button until the keytone icon Flashes. Current key tone status On/Off will flash.
- Press the Channel Up or Channel Down button to select key tone on or off.
- 3. Choose one of the following:
 - a. Press the Mode/Power button to enter the Standby mode.
 - b. Press Talk or Call button to return to Standby mode.
 - **c.** Do not press any buttons for 12 seconds to return to **Standby** mode.

Channel Scan

Your microTALK® radio can automatically scan channels.



To scan channels:





2. Press and hold the **Scan** button to begin scanning channels.



The radio ignores specific privacy codes while scanning channels.



The **Scan** icon will continue to be displayed when scan is **on**. Your radio will continue to scan all channels and stop if an incoming transmission is detected. Your radio will remain on that channel for 6 seconds.

During scanning (while receiving an incoming transmission), you can choose from the following:

- a. Press and hold the Talk button to communicate on that channel. Your radio will remain on that channel and return to Standby mode.
- b. Press the Channel Up or Channel Down button to resume scanning channels.
- c. Press and hold the Scan button to return to Standby.

Privacy Code Scan

Your microTALK radio can automatically scan the **Privacy Codes** (either CTCSS 01 through 38 or DCS 01 through 83) within one channel. Only one set of privacy codes (CTCSS or DCS) can be scanned at a time.









To scan privacy codes:

- While in **Standby** mode, press and release the **Scan** button twice (CTCSS) or three times (DCS) until the CTCSS or DCS icon and numbers are flashing.
- 2. Press and hold the **Scan** button to begin scanning privacy codes within the selected channel.

The **Scan** icon will continue to be displayed when privacy code scan is **on**. Your radio will continue to scan privacy codes and stop as an incoming transmission is detected. Your radio will remain on that channel/privacy code for 6 seconds.

During scanning (while receiving an incoming transmission), you can choose from the following:

- a. Press and hold the Talk button to communicate on that channel/privacy code. Your radio will remain on that channel/privacy code and return to Standby mode.
- b. Press the Channel Up or Channel Down button to resume scanning privacy codes. If you do not press any button within 10 seconds, your radio will automatically resume scanning privacy codes.
- c. Press the Scan button to return to Standby.

Memory Scan

Your microTALK radio can automatically scan the stored memory locations. (See page 12 for setting memory locations)







To scan memory locations:

- **1.** Make sure 2 or more memory locatios programmed already.
- 2. Press and release the MEM/ESC button to enter Memory mode from Standby mode.
 - **Memory** icon and the **Memory Location** show on the display.
- Press and release the Scan button, then the Scan icon will show on the display, and begin scanning stored channel locations.

The **Scan** icon will continue to be displayed when **Memory Scan** is **On.**

Your radio will continue to scan memory locations and stop as an incoming transimmision is detected. Your radio will remain on that stored channel/ privacy code for 6 seconds.

Tri-Watch Set-up

Your microTALK® radio can be set up to scan three of your favorite channels for activity.

Tri-Watch Button











Tri-Watch Button









To Program or Edit the Tri-Watch Channels:

 Press and hold the TRI-WATCH button from Standby mode for two (2) seconds to activate Tri-Watch Setup mode. The TW icon on the display will turn ON.



The main channel number will flash to indicate channel position.

- Press Channel Up or Channel Down button to select the desired Tri-Watch channel.
- Press and release TRI-WATCH button to confirm entry.
- Repeat steps 2 and 3 to program the remaining additional Tri-Watch memory channel.
- After programming both Tri-Watch memory channels the radio will immediately engage Tri-Watch mode.

Using Tri-Watch:

- From Standby mode, press the TRI-WATCH button.
 The TW will appear in the display along with the three channels stored in the Tri-Watch memory.
- 2. The radio will scan through the three (3) **Tri-Watch** memory channels.
- 3. A signal on any one (1) of the three (3) channels will stop the scan for 6 seconds to allow you to listen to the traffic on that location.



After the **Tri-Watch** scan stops to monitor a channel, as long as you do not press any buttons within 6 seconds, your radio will automatically resume scanning the **Tri-Watch** channels

- Press Channel Up or Channel Down button to resume scanning the Tri-Watch channels or to change the scan direction.
- To EXIT the Tri-Watch scan, press the TRI-WATCH button again, and the radio will return to Standby mode.

BURP

BURP features allows the user to expel water from inside the speaker grille. This is useful if the radio is dropped in the water which may become trapped in the speaker grille and muffle the audio.

MEM/ESC Button



BURP Icon

To activate BURP:

- 1. Press and release the **MEM/ESC** and **Max Range** buttons at the same time.
- The Burp tone(s) at maximum level will sound from the internal speaker for 8 seconds. During this time, BURP will appear in the display.
- 3. Hold the radio with the speaker grille down to help the water drain out.
- **4.** After an 8-second interval, the radio will return to standby.

Declaration of Conformity(DoC)

We, Altis Global Limited of Berkeley Lake, GA 30071 USA declare under our side responsibility that the product: Private Mobile Radio (PMR 446) - Walkie Talkie Two-way Radio

Model: AM1035 FLT

to which this declaration relates is in confirmity with all the essential requirements and other relevant requirements of the RED Directive (2014/53/EU). The product is in conformity with the following standards and/or other normative documents:

Health (Article 3.1(a)): EN50566:2013

Safety (Article 3.1(a)): EN60950-1:2006/A2:2013

EMC (Article 3.1(b)): EN301 489-1 V2.1.1(2017-02) EN301 489-5 V2.1.1(2016-11)

Spectrum (Article 3.2): EN300 296 V2.1.1(2016-03)

This product complies with Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies and is in conformily with Directive 2011/165/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrial and electronic equipment.

The radio will not comply with the standard at voltage below 3Vdc.

((

Berkeley Lake, GA, USA

13 Jun 2017 Bernard Auyang CEO



Warranty & Customer Service

For warranty and customer service

information, please go to:

www.cobrapmr.com

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