Cobra microTALK

Radio Controls and Indicators

1. 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
9. **LED Light** Button
10. **Talk** Button
11. **Memory/Escape** Button
12. **Tri-Watch** Button
13. **Scan** Button
14. **Max Range** Button
15. Wrist Strap Connection
16. Belt Clip
17. Battery Compartment
18. Battery Door Screws (2)
19. Rubberized Grips
20. LED Flashlight
21. **Lock** Button

TWO-WAY RADIO MODEL

AM1035 FLT

KEM-ML38203-31B

Nothing Comes Close to a Cobra®   English

Product Features

Backlit LCD Display

Features
- **8 Channels***
- **121 Privacy Codes** (38 CTCSS codes/ 83 DCS codes)
- **Hands-Free Operation (VOX)**
- **VibrAlert®**
- **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**
- **Keystroke Tones**
- **Battery Level Indicator**
- **Low Battery Audible Alert**
- **Auto Squelch**
- **Maximum Range Extender**
- **Belt Clip**

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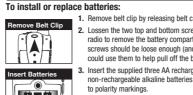14. Signal Strength Meter
15. BURP Icon
16. Tri-Watch Icon

*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.
3. Insert the supplied three AA rechargeable batteries or non-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:

1. Check to see that the batteries have been inserted properly.
2. Insert the cable into the charge jack 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.
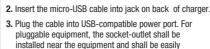Maximum SAR values: 0.488W/kg for FM 12.5KHz (Body-Worn).
Frequency Band: 446MHz.
Average and maximum radio-frequency power: 350mW.

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

Using Your Radio

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 of charger.
3. 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.
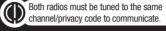
Note: To charge a single radio, you can bypass the desktop charger and simply insert the micro-USB's connector directly into the charge jack located on the top of the radio.

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.

Using Your Radio

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

Using 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

To select a CTCSS privacy code:

1. 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.

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.
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.

Set DCS Privacy Codes

To select a DCS privacy code:

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

Your microTALK® radio can be fitted with an optional external speaker/microphone (not included), freeing your 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.

To turn VOX mode on or off:
1. 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:
1. 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.

2. Press the **Channel Up** or **Channel Down** button to change the setting.
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.
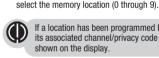
10 Memory Locations

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.)
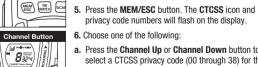
To program a memory location:
1. Press and hold the **MEM/ESC** button. **Memory** icon and the **Memory Location** will flash on the display.
2. Press the **Channel Up** or **Channel Down** button to select the memory location (0 through 9).

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

3. Press the **MEM/ESC** button. The channel numbers will flash on the display.
4. Press the **Channel Up** or **Channel Down** button to select a channel (1 through 8).
5. Press the **MEM/ESC** button. The **CTCSS** icon and privacy code numbers will flash on the display.
6. Choose one of the following:
a. Press the **Channel Up** or **Channel Down** button to select a CTCSS privacy code (00 through 38) for the channel.
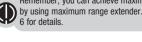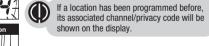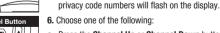b. Press the **MEM/ESC** button to switch from CTCSS to DCS. The DCS icon and privacy code numbers will flash on the display. The **Channel Up** or **Channel Down** button can then be used to select a DCS privacy code (00 through 83) for the channel.

If "oF" 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.
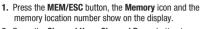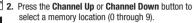
7. Choose one of the following:

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.
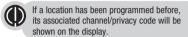
MEM/ESC Button

To recall a stored memory channel location:

1. 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).

Memory Channel

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

Channel Button

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

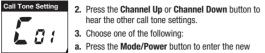**Standy By**

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.

Mode/Power

Call Tone Setting

Channel Button

To change a call tone setting:

1. 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

Call Tone On/ Vibrate On

Call Tone On/ Vibrate Off

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.
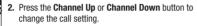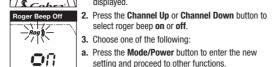c. Do not press any buttons for 12 seconds to return to **Standby** mode.

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.

Mode/Power

Roger Beep Off

Channel Button

To turn roger beep on or off:

1. 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.

Key Tone On/Off

When **Key Tone** is **On**, an audible tone will sound each time a button is pressed.

Mode/Power

Keytone icon

To turn key tone on or off:

1. Press the **Mode/Power** button until the **keytone** icon Flashes. Current key tone status On/Off will flash.
2. 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.
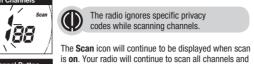c. Do not press any buttons for 12 seconds to return to **Standby** mode.
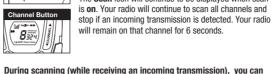
Channel Scan

Your microTALK® radio can automatically scan channels.

Scan Button

Scan Channels

Channel Button

To scan channels:

1. Press and release the **Scan** button until the **Scan** icon and the channel numbers appear on the display.
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.
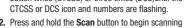c. Press and hold the **Scan** button to return to **Standby**.

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.

Scan Button

Channel Button

Select Channel

Scan Privacy Codes

To scan privacy codes:

1. 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)

MEM/ESC Button

Scan Button

Channel Button

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.
3. 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 Mode

Channel Button

Tri-Watch Button

To Program or Edit the Tri-Watch Channels:

1. 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.

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

Tri-Watch Button

Channel Button

Tri-Watch Button

Using Tri-Watch:

1. 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

4. Press **Channel Up** or **Channel Down** button to resume scanning the **Tri-Watch** channels or to change the scan direction.
5. 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.
2. 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, the company   Altis Zenus BV in the Netherlands
                    Wassenaarseweg 57,
                    2596CL The Hague
                    Niederlande/ Netherlands

declare under our sole responsibility that the following product

Type of product: Walkie Talkie
Trademark: Cobra
Model: AM1035 FLT
Further details: battery operated, 446MHz

meets the essential requirements of the following EU-Directives:

2014/53/EU   Directive on the making available of radio equipment on the market
2011/65/EU Annex II amending Annex (EU)2017/2102
             Directive on the restriction of the use of certain hazardous substances in
             electrical and electronic equipment

applied standards and regulations:
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
EN 50566:2013
EN 300 296 V2.1.1
EN 301 489-1 V2.1.1   EN 301 489-5 V2.1.1
IEC 62321-3-1:2013   IEC 62321-4:2017
IEC 62321-5:2013   IEC 62321-6:2015
IEC 62321-7-1:2015   IEC 62321-7-2:2015
IEC 62321-8:2017

Authorized person for technical documentation:
Name, Position: Jaap Derk Buma, Director

The Hague,   30-7-2018
               ....
               Date   Signature

Trademark
CEEL™ is a registered trademark of Cobra Electronics Europe, Ltd.

Snake design and microTALK® are registered trademarks of Cobra Electronics Corporation, USA.

Warranty & Customer Service
For warranty and customer service information, please contact your dealer.

For use in EU countries, subject to local laws and regulations.

©2019 Altis Zenus BV in the Netherlands
Wassenaarseweg 57,
2596CL The Hague
Niederlande/ Netherlands