



Owner's Manual



TWO-WAY RADIO MODEL

RX180

Printed in China
Part No. 814-RX1801-101
English

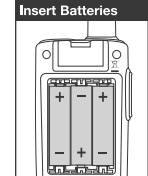
Nothing Comes Close to a Cobra®

Caring for Your microTALK® Radio

Your microTALK® radio will give you years of trouble-free service if cared for properly. Handle the radio gently. Keep the radio away from dust. Never put the radio in water or in a damp place. Avoid exposure to extreme temperatures.

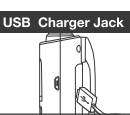
Installing Batteries (Battery already pre-installed)

- Remove Belt Clip**
1. Remove belt clip by releasing belt clip latch and sliding clip up.
- Pull Up Lock Latch**
2. Pull up on the battery door latch to remove the battery compartment cover.
- Insert Batteries**
3. Insert the supplied three AAA rechargeable batteries or non-rechargeable alkaline batteries. Position batteries according to polarity markings.
Note: Do not attempt to charge alkaline batteries.
- 4. Replace battery compartment cover and belt clip.



Operation

Using Your Radio



- USB Charger Jack**
To charge batteries in radio:
1. Check to see if the batteries have been inserted properly.
 2. Insert the cable into the charge jack which located at the right side of the radio.
 3. Plug the cable into USB-compatible power port.
 4. The radio will display a flashing battery icon while charging.

Only use the supplied rechargeable batteries for recharging your Cobra microTALK® radio.
Please charge new batteries for 12 hours on the first use.
Note: Cobra recommends your radio is turned off while being charged.

Quick Start

1. Press and hold the **Mode/Power** button to turn the radio on.
2. Select a desired channel. (Details please refer P.8)
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.



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



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

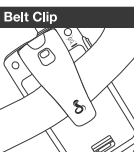


Introduction

Making Life Easier and Safer

Staying in touch with your family and friends is convenient and easy when using your microTALK® radio. Some of the many uses you will discover include:

Communicating with others while hiking, biking, and working; keeping track of family and friends at a crowded public event; checking with travel companions in another car; talking with neighbors; arranging meeting spots with others while shopping at the mall.



Belt Clip
Secure your microTALK® radio while on the go.
Carrying your microTALK® radio with you is easy when using the belt clip or optional wrist strap.
The belt clip can be easily attached to your belt, purse, or backpack.



Customer Assistance

Product Service & Support

In this user's guide, you should find all the information you need to operate your microTALK® radio. If you require further assistance after reading this guide, Cobra offers the following customer assistance services:

For Assistance In The U.S.A.
For any questions about operating or installing this new Cobra product, PLEASE CONTACT COBRA FIRST... do not return this product to the retail store. The contact information for Cobra will vary depending on the country in which you purchased and uses the product. For the latest contact information, please go to www.cobra.com/support or call 1-800-543-1608.

If your product should require factory service, please go to www.cobra.com/support and follow the instructions.

©2022 Cobra Electronics Corporation
www.cobra.com



Customer Assistance

Operational Cautions

Exposure to high volume sound levels may cause temporary or permanent damage to your hearing. Although there is no single volume setting that is appropriate for everyone, you should always use your radio with the volume set at low level and avoid prolonged exposure to high volume sound levels.

1. Set the volume control in a low position and use as low a volume as possible.
2. Avoid turning up the volume to block out noisy surroundings. Whenever possible, use your radio in a quiet environment with low background noise.
3. Limit the amount of time you use headsets or earpiece at high volume levels.
4. When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.
5. Observe all signs and instructions that require an electrical device or RF radio product to be switched off in designated areas, such as gas/refueling stations, hospitals, blasting areas, potentially explosive atmospheres, or aircraft.
6. If you experience a skin irritation after using this product, discontinue use and seek medical attention.
7. If the product or charger overheats; has a damaged cord or plug; has been dropped or damaged; has been dropped into water, disconnect any charger from its power supply, discontinue the use of the product.

Electromagnetic Interference

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. Turn off your radio in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

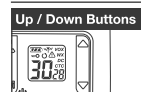
- When instructed to do so, turn off your radios when on board an aircraft. Any use of a RF device must be in accordance with applicable laws, regulations and airline crew instructions.
- Some radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.
- If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your doctor or physician may be able to assist you in obtaining this information.

Listening for a Response



Listening
Release the **Talk** button to receive incoming transmissions. Your microTALK® radio is normally in the **Standby** mode while the **Talk** or **Call/Flashlight** buttons are not being pressed or while in the Weather mode.

To Adjust Volume



Up / Down Buttons
While in **Standby** mode, press the **Up** or **Down** buttons. A double beep sound is used to indicate the minimum and maximum volume levels (1 through 8).
Volume Level
Do not hold the radio close to your ear. If the volume is set to a high level, it could hurt your ear.

Call Button



Call/Flashlight Button
Press and release the **Call/Flashlight** button to alert others that you are calling.
The other person will hear call tone for 2 seconds. This tone is used only to establish voice communications.

LED Flashlight

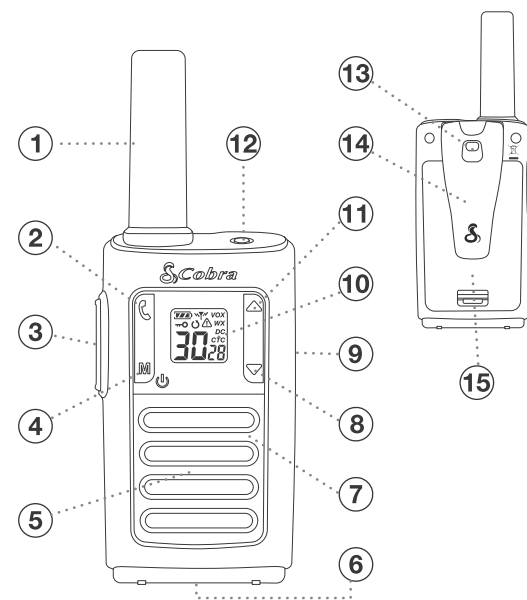


Call/Flashlight Button
Press and hold the **Call/Flashlight** button to activate the LED flashlight which located at the bottom of the radio. Press and hold the **Call/Flashlight** button again to turn off the flashlight function.



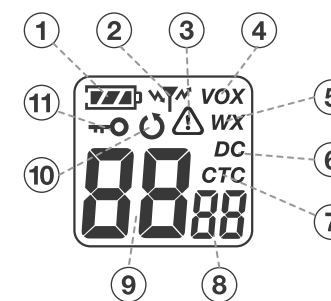
Introduction

Product Features



1. Antenna
2. **Call/Flashlight** Button
3. **Push-to-Talk** Button
4. **Mode/Power** Button
5. Speaker
6. LED Flashlight
7. Microphone
8. **Down** Button
9. USB Charge Jack
10. Backlit LCD Display
11. **Up/Weather** Button
12. External Speaker / Microphone Jack
13. Wrist Strap Connection
14. Belt Clip
15. Battery Compartment Door

Backlit LCD Display



1. Battery Level Indicator
2. Receive/Transmit Icon
3. Weather Alert Icon
4. VOX Icon
5. Weather Icon
6. DCS Icons
7. CTCSS Icons
8. DCS/CTCSS Privacy Code Numbers
9. Channel Numbers
10. Scan Icon
11. Lock Icon

Features

- 30 Channels
- 10 Channels Weather Radio
- Weather Alert
- 121 Privacy Codes (38 CTCSS codes/ 83 DCS codes)
- Hands-Free Operation (VOX)
- Scan Channels
- 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 Selectable On/Off
- Battery Level Indicator
- Low Battery Audible Alert
- Auto Squelch
- Belt Clip

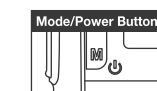


Operation

Mode Functions

Scrolling Through the Mode Function

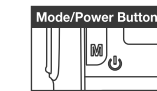
By scrolling through the **Mode** function, you will be able to select or turn on/off preferred features of your microTALK® radio. When scrolling through the **Mode** function, your radio features will be displayed in the same predetermined order:



- Mode/Power Button**
- Channel Selection
 - Set CTCSS Privacy Codes
 - Set DCS Privacy Codes
 - Set Vox On/Off
 - Set Vox Sensitivity
 - Set Channel Scan
 - Set Call Beep 1-10
 - Set Roger Beep On/Off
 - Set Key Tones On/Off
 - Set Key Lock

Channel Selection

The radio has 30 channels, Channel 1 to 22 are compatible with other brands of Two-Way radios.



1. Briefly press and release **Mode** button, the channel number flashes.
2. Press **Up** or **Down** button to select a channel. (You can hold the **Up** or **Down** button for fast advance)



3. When the desired channel is displayed, choose one of the following.
 - a. Press the **Mode** button to enter the new setting and proceed to other functions.
 - b. Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - c. Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.



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

See page 16 for frequency allocations charts.

Mode Functions (continued on back side)

Operation

Mode Functions (continued)

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 channels (CH1-CH22), but both systems cannot be used on the same channel at the same time.

To successfully communicate with a privacy code, both of the transmitting and receiving radios must be tuned to the same channel with the same privacy code system (CTCSS or DCS) and privacy code number. Each channel will save the last privacy code system and number you selected.

The privacy code 0 is not a privacy code, it allows all signals to be heard on a channel that is set to 0 on both the CTCSS and DCS systems.

Set CTCSS Privacy Codes

To select a CTCSS privacy code:

- After selecting a channel (only available on channels 1–22), press the **Mode** button once, the **CTCSS** Indicator appears and the small numbers next to the channel number will flash on the display.

If DCS is turned on for the selected channel, the display will flash the CTCSS icon and “OFF.” To switch from DCS to CTCSS, press the **Up** or **Down** button while the display is flashing “OFF.” The small numbers will be flashing on the display and you can proceed to step 2.

- Press using the **Up** or **Down** button to select a privacy code. You can hold the **Up** or **Down** button for fast advance.

9

NOAA* All Hazards Radio Channels

You can use your microTALK® radio to listen to NOAA All Hazards Radio channels transmitting in your area.

- To listen to All Hazards Radio channels:**
- During **Standby** mode, press and hold the **Up/Weather** button until the **All Hazards Weather Radio** icon and the currently selected All Hazards Radio channel are displayed.
 - Use the **Up** or **Down** button to change **All Hazards Radio** channels.
 - The **All Hazards Radio** icon will continue to be displayed when **All Hazards Radio** is on.
 - To exit **All Hazards Radio**, press and hold the **Up/Weather** button or press and release the **Talk** button.
- *National Oceanographic and Atmospheric Administration

Weather (WX) Alert Mode

Turning On the Weather Alert function will allow your radio to automatically receive NOAA weather signals and warnings from designated weather broadcast stations. If the radio is turned ON, it will alert to Weather and other emergency alerts broadcast by NOAA.

- This feature is set to OFF by default.
- Make sure the strongest Weather channel is selected for your area using the channel selection in the previous menu.

- To turn Weather Alert On or Off:**
- When listen to a selected weather radio channel, press and hold the **Down** button until the **Weather Alert** icon flashes on the display. The current On or Off setting is displayed.
 - Press the **Up** and **Down** button to turn Weather Alert On or Off.
 - Press and hold the **Down** button again to save the new setting exit the **Weather Alert** Setting Mode and return to **Weather radio** mode. The Weather Alert icon shows on the display when it turned on.
 - To exit **All Hazards Radio**, press and hold the **Up/Weather** button or press and release the **Talk** button.

15

- When your desired CTCSS privacy code is displayed, choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds to enter the new setting and return to **Standby** mode.

Set DCS Privacy Codes

To select a DCS privacy code:

- After selecting a channel (only be available on channel 1–22), press the **Mode** button until the **DCS** indicator appears and the small numbers will flash on the display (0 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 **Up** or **Down** button while the display is flashing “OFF.” The small numbers will be flashing on the display and you can proceed to step 2.

- Press using the **Up** or **Down** button to select a DCS privacy code. You can hold the **Up** or **Down** button for fast advance.
- When your desired DCS privacy code is displayed, choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will return to **Standby** mode.

10

Operation

General Specifications

Frequency Allocation and Compatibility

A = Channel No.
B = Frequency in MHz
C = Code System / Code No.

A	B	C	A	B	C
1	462.5625	ANY	16	462.5750	ANY
2	462.5875	ANY	17	462.6000	ANY
3	462.6125	ANY	18	462.6250	ANY
4	462.6375	ANY	19	462.6500	ANY
5	462.6625	ANY	20	462.6750	ANY
6	462.6875	ANY	21	462.7000	ANY
7	462.7125	ANY	22	462.7250	ANY
8	467.5625	ANY	23	462.5625	CTCSS / 38
9	467.5875	ANY	24	462.6125	CTCSS / 35
10	467.6125	ANY	25	462.6625	CTCSS / 32
11	467.6375	ANY	26	462.7125	CTCSS / 29
12	467.6625	ANY	27	462.5500	CTCSS / 26
13	467.6875	ANY	28	462.6000	CTCSS / 23
14	467.7125	ANY	29	462.6500	CTCSS / 20
15	462.5500	ANY	30	462.7000	CTCSS / 17

16

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:**
- Press the **Mode** button until the **VOX** indicator flashes on the display. The current **On** or **Off** setting is displayed.
 - Press the **Up** or **Down** button to turn **VOX On** or **Off**.
 - Choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will return to **Standby** mode.

To set VOX sensitivity:

- Press the **Mode** 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.

- Press the **Up** or **Down** button to change the setting.
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press the **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will return to **Standby** mode.

17

The NOAA NWR Frequency Table

Channel No.	NWR Frequency	Channel No.	NWR Frequency
1	162.550MHz	6	162.500MHz
2	162.400MHz	7	162.525MHz
3	162.475MHz	8	161.650MHz
4	162.425MHz	9	161.775MHz
5	162.450MHz	10	163.275MHz

IMPORTANT NOTICE:

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. 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. **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.
- 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.

Safety Information for microTALK Radios

Your wireless handheld portable transceiver contains a low power transmitter. When the talk 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 handheld wireless devices.

Important
 FCC RF Exposure Requirements: For body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Cobra accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. Use only the supplied antenna. Unauthorized antennas, modifications or attachments could damage the transmitter and may violate FCC regulations.

Normal Position:
 Hold the transmitter approximately **25mm** from your face and speak in a normal voice, with the antenna pointed up and away.

17

Channel Scan

Your microTALK® radio can automatically scan channels.

- To scan channels:**
- Press the **Mode** button until the **Scan** icon and the current **off** setting are flashing.
 - Press the **Up** or **Down** button to select Channel Scan on or off.
 - Choose one of the following:
 - While the current setting is **on**, press **Talk** or **Call** button to begin scanning channels.
 - While the current setting is **on**, do not press any button for 6 seconds to begin scanning channels.
 - While the current setting is **off**, press **Mode** button to proceed to other functions.
 - While the current setting is **off**, press **Talk** or **Call** button to return to **Standby** mode.
 - While the current setting is **off**, do not press any buttons for 6 seconds to return to **Standby** mode.

The radio will check 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 8 seconds.

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

- Press and hold the **Talk** button to communicate on that channel. Your radio will remain on that channel and return to **Standby** mode.
- Press the **Up** or **Down** button to resume scanning channels.
- Press the **Talk** or **Call** button to return to **Standby** mode.

18

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** button until the letter “C” and the current call tone number (01 through 10) is displayed. The current call tone will sound for 3 seconds.
 - Press the **Up** or **Down** button to hear the other call tone settings.
 - Choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will 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 have finished talking and it is OK for them to speak.

- To turn roger beep on or off:**
- Press the **Mode** button until the **Roger Beep** indicator flashes. The current **on** or **off** setting is displayed.
 - Press the **Up** or **Down** button to select Roger Beep on or off.
 - Choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will return to **Standby** mode.

19

Key Tone On/Off

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

- To turn key tone on or off:**
- Press the **Mode** button until **Key Tone** indicator flashes. Current key tone status **on** or **off** will flash.
 - Press the **Up** or **Down** button to select key tone on or off.
 - Choose one of the following:
 - Press the **Mode** button to enter the new setting and proceed to other functions.
 - Press **Talk** or **Call** button to enter the new setting and return to **Standby** mode.
 - Do not press any buttons for 6 seconds and it will return to **Standby** mode.

Lock Function

The **Lock** function locks the **Up**, **Down** and **Mode** buttons to prevent accidental operation.

To activate lock function:

- Press the **Mode** button until the **Lock** icon and the current **off** setting are flashing.
- Press the **Up** or **Down** button to select lock function on or off.
- Choose one of the following:
 - While the current setting is **on**, press **Talk** or **Call** button to enable lock function.
 - While the current setting is **on**, do not press any button for 6 seconds to enable lock function.
 - While the current setting is **off**, press **Mode** button to return to **Standby** mode.
 - While the current setting is **off**, press **Talk** or **Call** button to return to **Standby** mode.
 - While the current setting is **off**, do not press any buttons for 6 seconds to return to **Standby** mode.

To turn the lock off:
 – Press and hold the **Mode/Power** button for two seconds.

When in **Lock** mode, the **Lock** icon will be displayed.

14

For Products Purchased Outside the U.S.A.

Please contact your authorized local reseller or agent for warranty information.

Trademark Acknowledgment

©2022 Cobra Electronics Corporation. Cobra and the snake design are proprietary trademarks of Cobra Electronics Corporation, USA. Other trademarks and trade names are those of their respective owners.

Cobra Electronics Corporation™ is a trademark of Cobra Electronics Corporation, USA.

20

Warranty & Trademark Acknowledgment

Limited One-Year Warranty

Cobra warrants your product against all defects in materials and workmanship for a period of one (1) year from the date of original purchase.

Cobra, at our sole discretion, will repair or replace your product (with the same or comparable product) free of charge.

Cobra will not pay shipping charges that you incur for sending your product to us. Products received COD will be refused.

To make a warranty claim, we will require proof or purchase in the form of an invoice or receipt. No proof of purchase is required for factory direct purchases.

Warranty Exclusions: Warranty does not apply to your product under any of the following conditions: 1. The serial number has been removed or modified. 2. Your product has been subjected to misuse or damage (including water damage, physical abuse, and/or improper installation). 3. Your product has been modified in any way. 4. Your receipt or proof-of-purchase is from a non-authorized dealer or internet auction site including E-bay, U-bid, or other non-authorized resellers.

LIMITATION OF WARRANTY: EXCEPT AS EXPRESSLY PROVIDED HEREIN, YOU ARE ACQUIRING THE PRODUCT “AS IS” AND “WHERE IS”, WITHOUT REPRESENTATION OR WARRANTY. COBRA SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY INCLUDING, BUT NOT LIMITED TO THOSE CONCERNING THE MERCHANTABILITY AND SUITABILITY OF THE PRODUCT FOR A PARTICULAR PURPOSE. COBRA SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES ARISING OUT OF THE USE, MISUSE OR MOUNTING OF THE PRODUCT.

The above limitations or exclusions shall be limited to the extent they violate the laws of any particular state. Cobra is not responsible for products lost in shipment between the owner and our service center.

General Warranty Information

Each product we manufacture is covered by our factory warranty. While each product may have unique components and policy, the general guideline below will apply to most Cobra products. All Cobra products purchased factory-direct or from our Authorized Resellers will come with a full one to three (1-3) year warranty from the date of the original retail purchase (see policy statement above for full warranty details and exclusions).

Standard accessories packaged with each model will have a one-year factory warranty. Accessory items have a one-year factory warranty.

Shipping to our facility is not covered in our warranty. Return shipping is included within the US. This warranty is non-transferrable.

For the sake of clarity, “repair or replace the Product or its defective part” does not include removal or installation work, costs or expenses which include but are not limited to labor costs or expenses.

Cobra will not be responsible for lost packages.

19