

# PERFORMA 400 SERIES OWNERS MANUAL





Contents

Before operating the radio, please read all safety and operating instructions. Save all instructions in a safe place for future reference.

#### **Warning: Important Safety Information**

- 1. Only accessories included in this package or specified by the manufacturer should be used with the radio. The USB-C charging input is compatible with most high quality USB Type C chargers that fully conform to the USB standards.
- 2. Do not use cleaners or solvents to clean the exterior of the radio. Use only a damp or dry cloth.
- **3.** Do not attempt to service the receiver yourself. Removing the cover will void the warranty. Changes or modifications not expressly approved by Cobra may void the user's authority granted by the FCC to operate this device and should not be made.
- **4.** Do not plug the wall adaptor into the power outlet if the outlet is wet.
- **5.** Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

# /! WARNING: Important Safety Instructions for Battery and Chargers

#### Read All Instructions:

- Do not incinerate the battery even if it is severely damaged or is completely worn out.
- Do not discard the battery in a fire. The battery pack can explode in a fire.
- Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause an explosion or fire.
- Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of the battery.
- Do not dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- A small leakage of liquid from the battery cells may occur under extreme usage or temperature conditions. Do not open, deform or mutilate the battery as there may be corrosive materials which can cause damage to eyes or skin and may be toxic if swallowed.
- Never alter the AC cord or plug provided with the unit. If the plug will not fit in the outlet, have the proper outlet installed by a qualified electrician. An improper installation can result in a risk of electric shock.

However, if the outer seal is broken and this leakage gets on your skin:

- a. Wash quickly with soap and water.
- **b.** Neutralize with a mild acid such as lemon juice or vinegar.
- **c.** If battery liquid gets into your eyes, flush them with clean water for a minimum of 10 minutes and seek immediate medical attention.

This product contains a Lithium Polymer Battery which is subject to certain transport restrictions. Inspect the product and product packaging prior to transport. Do not transport this product if the battery is damaged.

#### **Recycle Battery**

Local, state or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

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In this user's guide, you should find all the information you need to operate your Performa 400 Series 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. 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.

#### **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.
- 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 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.

#### **PRODUCT FEATURES**

#### **Radio LED Indicators**

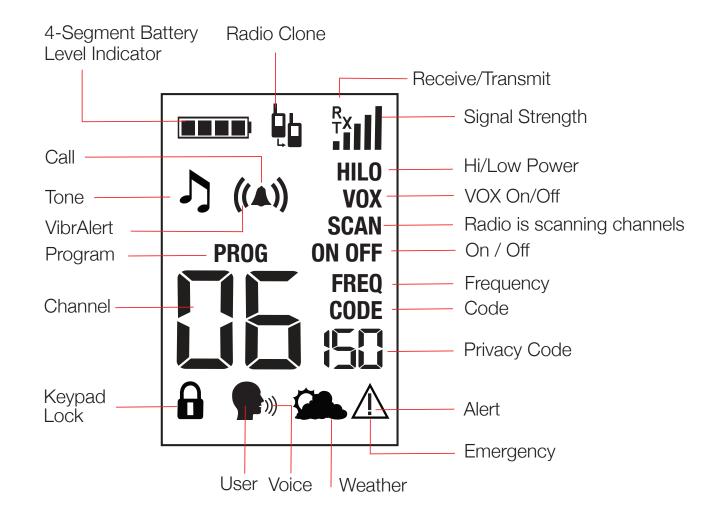
Standby Mode Blue	LE
Low Battery	Re
PTT engaged and radio is transmitting	Sc
Radio is receiving Transmsion	Sc
Emergency Alert is engaged	Gr
VOX is enabled	Sc
Scan LED	Gr



- ED flashes every 5 seconds
- ed LED flashes every 5 seconds
- olid Red LED
- olid Green LED
- reen and Red LED flash alternatively per second
- olid Blue LED
- reen LED flashes every 1 second



#### Performa 450 Backlit LCD Display





#### **Installing Battery**

#### Performa 400 Series comes preinstalled with a custom lithium-ion battery. To remove the battery:

- **1.** Remove Radio from the holster
- 2. Open latch on bottom back panel of radio
- 3. Slide battery pack out

#### To Replace the Battery:

- Slide battery pack into back of radio, ensuring tabs align 1.
- 2. Snap in place latch on bottom back panel of radio

#### Installing the Swivel Belt Holster

- Slide the bottom of the radio into the holster until it snaps into place. 1.
- 2. To remove, push the tab on the holster and pull the radio away from the holster.

#### **Charging the Radio**

Only use the supplied battery and desktop charger for charging your Cobra Performa radio. Please charge radio for 8 hours for first time of use. Cobra recommends your radio is turned off while being charged.

#### To Charge the Radio Via USB-C Cable

- 1. Ensure battery is properly installed
- 2. Remove cover from USB-C port
- 3. Insert the USB-C cable
- Plug the USB cable into the power adapter 4.
- Plug power adapter into an appropriate power port 5.

# Charge Via Dock Chargers (Single or 6-Unit)

Radio can use the dock chargers with or without the holster

- Ensure battery is properly installed 1.
- 2. Insert radios into dock charger facing the front
- Insert batteries into the spare battery port 3.
- 4. Insert the USB-C cable into the back of the dock
- 5. Plug USB-C cable into the power adapter
- Plug power adapter into an appropriate power port 6.

If charging light is not on, check position of radio. Radio should be upright



#### **LED Dock Indicators**

Radio Docked	Solid Red
Charge Complete	Solid Green
Charging Error	Flashing Red

#### Turning the Radio On and Off

- To power ON turn Power Knob clockwise
- To power OFF turn Power Knob counter-clockwise

#### **Battery Low**

When battery power is low, Red LED will flash every 5 seconds indicating the radio needs to be charged. Battery level will also be shown on LCD battery level icon.

#### **Communicating with Another Radio**

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

You cannot receive incoming calls while pressing the PTT button.

Both radios need to be on the same frequency and privacy code to communicate.

- Turn the power/volume knob clockwise to increase the volume.
- Turn the power/volume knob counter clockwise to decrease the volume.

**Tip:** It is recommended to wait a short time after pressing the PTT before speaking to avoid cutting off the beginning of the message.

#### **Changing Channels**

To change channel, turn the channel knob clockwise or counterclockwise until you reach your desired channel. To program alternate frequencies or privacy codes, use the advanced programming menu or the Cobra Computer Programming Software.

#### Monitor

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

You can turn on Monitor function, allowing all signals to be received and extending the maximum range of your radio.

- Press and hold the Monitor button to turn monitor on.
- Press and hold the Monitor button to turn off monitor.





# **Call button**

Press and release the Call button to alert others that you are calling. The other person will hear a two second call tone. This tone is only used to alert others of incoming voice communications.

#### **Voice Call Announcement**

Press and hold the call button to send a voice announcement to your entire team, regardless of their privacy code. Setup within the programming menu (see page13).

- **1.** Press and hold call button
- **2.** Audible tone transmits to radios
- 3. Press PTT and transmit your announcement
- 4. Receiving radios will receive announcement and have 3 seconds after transmission to respond back on the same channel
- 5. After 3 seconds of inactivity, all radios will return to normal standby and normal channel

#### Lock Function

The lock function will lock the up, down, menu, and call buttons. Press and hold the Lock button to enable. Lock icon will be displayed on the LCD when enabled. PTT and knobs will still function when keypad is locked. Press and hold lock button to disable and return to normal operation.

#### **Channel Scan**

To Scan channels press and hold the SCAN button until the Scan icon appears and the radio begins scanning channels.

The Scan icon will continue to be displayed when scan is on. Your radio will continue to scan all selected channels and stop if an incoming transmission is detected. Your radio will remain on that channel for 3

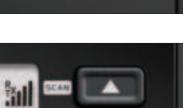
seconds after the last incoming transmission. During scanning (while receiving an incoming transmission), you can choose from the following: 1. Press and hold the Talk button to communicate on that channel. Your radio will remain on that

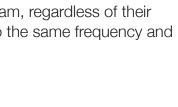
- channel and return to Standby mode.
- 2. Press the Up or Down button to resume scanning channels.
- 3. Press and hold the Scan button or press ESC button to return to Standby.





active channel. All radios must have voice announcement turned on and set to the same frequency and









# Standard Menu

By scrolling through the Menu, you will be able to select or turn on preferred features of your Performa radio.

#### To Enter and Cycle through the Standard Menu:

- 1. Hold down ENTER (MENU) button to enter menu
- 2. Press ENTER to cycle through Menu Options
- 3. Use UP / DOWN arrow to change Menu Option Setting
- Press ENTER to save setting and move to next option 4.
- 5. Press ESC or PTT to exit menu and revert back to Standby

NOTE: The radio has the ability to add or remove the Menu Options through the Cobra Computer Programming Software, User Controls. Please visit Cobra.com for details on using and downloading the software to fully customize your radio.

# The Menu Options, when enabled:

- Set Weather ON/OFF
- Set Weather Alert ON/OFF
- Set VOX ON/OFF ٠
- Set VOX Sensitivity Level (1-5)
- Set Voice Prompts On/OFF
- Set Language 1-English, 2-Spanish, 3-French
- Set VibrAlert ON/OFF
- Set Call Tones 1-10
- Set Keytone Beep ON/OFF ۰
- Set Backlight color 1-White, 2-Blue, 3-Red
- Set Emergency Alert ON/OFF ٠
- Set Roger beep ON/OFF •

# Weather Mode

To access weather channels, ensure weather is turned on via Cobra Computer Programming Software in the user controls section. Weather is off by default.

- **1.** Turn weather ON in the Standard Menu.
- 2. Weather becomes an additional slot at the end of the channels.
- **3.** Turn the channel knob to the position after your last programmed channel
- 4. Weather will automatically scan for a weather channel within range.
- 5. To change Weather channels, press and hold SCAN to scan for an alternative weather channel in range.
- 6. To resume standard radio operation, rotate the channel knob to your desired channel







# Weather Alert

To turn on Weather Alert, ensure weather is turned on via Cobra Computer Programming Software in the user controls section. Weather Alert is OFF by default. 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.

# To Turn Weather Alert On or Off:

- **1.** Press the Menu button until the Weather Alert icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Up or Down button to turn Weather Alert On or Off.
- 3. Press the Menu button to enter the new setting and proceed to other functions.

#### Voice Activated Transmit (VOX)

In VOX mode, your Performa 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 On or Off:

- **1.** Press the Menu button until the VOX icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Up or Down button to turn VOX On or Off.
- 3. Press the Menu button to enter the new setting and proceed to other functions.

# To Set VOX Sensitivity:

- **1.** Press the Menu button until the VOX icon flashes and the current sensitivity level is displayed.
- **2.** Press the Up or Down button to change the setting.
- 3. Press the Menu button to enter the new setting and proceed to other functions.

#### Voice Prompts

#### To Turn Voice Prompts On or Off:

- 1. Press the Menu button until the Voice Prompts icon flashes. The current On or Off setting is displayed.
- 2. Press the Up or Down button to change the setting.
- 3. Press the Menu button to enter the new setting and proceed to other functions.









#### **VibrAlert**®

Your Performa radio can alert you to incoming signals by vibrating when a transmission is received.

# To Turn VibrAlert On or Off:

- **1.** Press the Menu button until the VibrAlert icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Up or Down button to turn VibrAlert On or Off.
- 3. Press the Menu button to enter the new setting and proceed to other functions.

#### Call Alert

Press and release the CALL button on the side of the radio to alert other that you are calling. The other person will hear a two second call tone. This tone is used only to establish voice communications.



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

#### To Change a Call Tone Setting:

- 1. Press the Menu button until the letter Call Alert Icon and the current call tone number (01 through 10) is displayed. The current call tone will sound for three seconds.
- 2. Press the Up or Down button to hear the other call tone settings.
- 3. Press the Menu button to enter the new setting and proceed to other functions.

# Keytone Beep

When keytone beep is on, an audible tone will sound each time a button is pressed.

#### To Turn Keytone Beep On or Off:

- 1. Press the Menu button until the keytone beep icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Up or Down button to turn keytone beep On or Off.
- **3.** Press the Menu button to enter the new setting and proceed to other functions.

# **Backlight color**

# To Change Backlight Color:

- 1. Press the Menu button until the Backlight color voice prompt is heard. The current color will be displayed on the LCD.
- 2. Press the Up or Down button to switch between White, Blue, Red.
- 3. Press the Menu button to enter the new setting and proceed to other functions.





ENTER

ON OFF

FREQ

CODE

150

# **Emergency Alert**

The Emergency Alert feature can be used to signal members in your group of your need for urgent help. Performa series radios will operate in an automatic "hands-free" emergency control mode for a total of 30 seconds after activating the Emergency Alert. Performa series radios in your group will automatically advance the speaker volume to the maximum setting and sound a warbling alert tone for 8 seconds. The alert tone is emitted from your own radio speaker and the receiving radios in your group. After the 8 seconds alert, any spoken words or incidental sounds at your end will be transmitted to the group for 22 seconds. For the 30 seconds duration of Emergency Alert mode, Performa series radio controls and buttons will be locked to maximize reception of the emergency message.

- **1.** Press and hold the red emergency alert button for 3 seconds.

- and holding the emergency button or turning the radio off and on.

**NOTE:** All Perform series radios are fully compatible with the Emergency Alert feature if they would be tuned to the same channel and same privacy code. Radio brands other than Cobra Performa series can receive the emergency alert signal, but may not respond with adjusted volume settings, locked controls, or a warbling alert tone. Users of other radio models set to the same channel and code will hear a steady tone for 8 seconds followed by the voice transmission for 22 seconds.

# **Roger Beep**

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.

# To Turn Roger Beep On or Off:

- **1.** Press the Menu button until the roger beep icon flashes on the display. The current On or Off setting is displayed.
- 2. Press the Up or Down button to turn roger beep On or Off.
- 3. Press the Menu button to enter the new setting and proceed to other functions.



2. Release the button after the LCD backlight flashes and the alert tone begins to sound. There is no need to continue to hold the Emergency Alert button or use PTT for your message to be transmitted. 3. After the alert tone ends you may speak into the microphone. Your voice or incidental sounds will be transmitted. The LCD backlight will continue to flash for the duration of the 22 seconds period.

4. After 30 seconds your radio speaker will emit a Talk Confirmation Tone and the LCD backlight will stop flash. The radio will continue to sound a local periodic emergency tone from the speaker until the emergency mode is exited. The radio remains in the Emergency mode until turned off by pressing









# **Radio to Radio Clone**

Performa radios have the ability to clone all set programmed frequencies and radio settings to another Performa radio. To perform a clone from a Primary (programmed) radio to Receiving radios:

- **1.** Have all radios turned off. For Over the Air cloning, skip to Step 3. For Cable Cloning, continue to Step 2.
- 2. Plug in USB-C cable to both Primary and Receiving Radios, or dock chargers.
- 3. Press and hold the Call Button for 6 seconds, turn power knob on while continuing to hold call button until you hear "Clone Receive Ready"
- 4. Radio is now in Clone Mode, ready to receive Clone information. Clone Icon will illuminate, RX will flash.
- 5. Repeat for the Primary and all Receiving radios.
- 6. For the Primary Radio, press PTT button to start initiate the clone process; Clone icon will illuminate and TX will flash.
- 7. Primary Radio will send information to all Receiving radios.
- 8. Voice Prompts will confirm successful Clone of Receiving radios and restart.
- 9. Primary Radio will confirm with a "Transmission successful" voice prompt.

# **Advanced Programming Menu**

To enter the Advanced programming menu, Hold down Menu for 3 seconds, turn power knob to turn radio on, while continuing to hold Menu for 3 seconds. PROG icon will illuminate in menu to indicate you are in the programming menu.

#### When Enabled, the Advanced Menu Flow Is:

- Programming Channels Set the Frequencies and privacy codes for your channels. -
- Voice Call Announcements Turn this setting on or OFF for the ability to receive a voice announcement and set the Voice announcement frequency/privacy code.
- Voice call announcement transmit enable Allow a radio to transmit a voice announcement . -
- Clone enter clone mode without using the quick key.

**NOTE:** Channel knob will allow a user to cycle through the 4 main Programming menu options.









settings.

#### **Channel Options are:**

- **1.** Channel 1-6
- 2. Frequency 1-99
- 3. Privacy code 0-154
- 4. Power level Hi or Low
- 5. Scan ON or OFF adds the channel to the scan list

#### **Default Frequencies**

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	464.5000	26	462.8375	51	467.8875	76	452.7625
2	464.5500	27	462.8625	52	467.9125	77	452.8625
3	467.7625	28	462.8875	53	469.4875	78	456.1875
4	467.8125	29	462.9125	54	469.5125	79	456.2375
5	467.8500	30	464.4875	55	469.5375	80	456.2875
6	467.8750	31	464.5125	56	469.5625	81	468.2125
7	467.9000	32	464.5375	57	462.1875	82	468.2625
8	467.9250	33	464.5625	58	462.4625	83	468.3125
9	461.0375	34	466.0375	59	462.4875	84	468.3625
10	461.0625	35	466.0625	60	462.5125	85	468.4125
11	461.0875	36	466.0875	61	467.1875	86	468.4625
12	461.1125	37	466.1125	62	467.4625	87	468.5125
13	461.1375	38	466.1375	63	467.4875	88	468.5625
14	461.1625	39	466.1625	64	467.5125	89	468.6125
15	461.1875	40	466.1875	65	451.1875	90	468.6625
16	461.2125	41	466.2125	66	451.2375	91	456.3375
17	461.2375	42	466.2375	67	451.2875	92	456.4375
18	461.2625	43	466.2625	68	451.3375	93	456.5375
19	461.2875	44	466.2875	69	451.4375	94	456.6375
20	461.3125	45	466.3125	70	451.5375	95	457.3125
21	461.3375	46	466.3375	71	451.6375	96	457.4125
22	461.3625	47	466.3625	72	452.3125	97	457.5125
23	462.7625	48	467.7875	73	452.5375	98	457.7625
24	462.7875	49	467.8375	74	452.4125	99	457.8625

#### Press MENU to cycle through the Channel options. Use the up/down arrow to cycle through the Option





# Weather Channels

WX Radio Channel	Frequency	NOAA Weather Alert		
Channel 1	162.550 MHz	Yes		
Channel 2	162.400 MHz	Yes		
Channel 3	162.475 MHz	Yes		
Channel 4	162.425 MHz	Yes		
Channel 5	162.450 MHz	Yes		
Channel 6	162.500 MHz	Yes		
Channel 7	162.525 MHz	Yes		
Channel 8	161.650 MHz	No		
Channel 9	161.775 MHz	No		
Channel 10	163.275 MHz	Yes		
Channel 11	161.750 MHz	No		
Channel 12	162.000 MHz	No		

#### Weather Alert Tone

Alert Tone
1050 Hz

# **Default Channels**

Radio Channel	Frequency MHz	Privacy Code Number	Scan ON/OFF
1	464.5000	1	ON
2	467.9250	1	ON
3	467.8500	1	ON
4	467.8750	1	ON
5	464.5000	6	ON
6	467.9250	6	ON

# Privacy Codes

Cobra Code Number	Туре	Tone / Octal Code	Cobra Code Number	Туре	Tone / Octal Code	Cobra Code Number	Туре	Tone / Octal Code
1	CTCSS	67	54	DCS	115	103	DCS	546
2	CTCSS	71.9	55	DCS	116	104	DCS	565
3	CTCSS	74.4	56	DCS	125	105	DCS	606
4	CTCSS	77	57	DCS	131	106	DCS	612
5	CTCSS	79.7	58	DCS	132	107	DCS	624
6	CTCSS	82.5	59	DCS	134	108	DCS	627
7	CTCSS	85.4	60	DCS	143	109	DCS	631
8	CTCSS	88.5				110	DCS	632
9	CTCSS	91.5	61	DCS	152	111	DCS	654
10	CTCSS	94.8	62	DCS	155	112	DCS	662
11	CTCSS	97.4	63	DCS	156	113	DCS	664
12	CTCSS	100	64	DCS	162	114	DCS	703
13	CTCSS	103.5	65	DCS	165	115	DCS	712
14	CTCSS	107.2	66	DCS	172	116	DCS	723
15	CTCSS	110.9	67	DCS	174	117	DCS	731
16	CTCSS	114.8	68	DCS	205	118	DCS	732
17	CTCSS	118.8	69	DCS	223	119	DCS	734
18	CTCSS	123	70	DCS	226	120	DCS	743
19	CTCSS	127.3	70	DCS	243	121	DCS	754
20	CTCSS	131.8	72	DCS	243	122	DCS	36
20	CTCSS	136.5				123	DCS	53
22	CTCSS	141.3	73	DCS	245	124	DCS	122
23	CTCSS	146.2	74	DCS	251	125	DCS	145
23	CTCSS	151.4	75	DCS	261	125	DCS DCS	212
25	CTCSS	156.7	76	DCS	263	120	DCS	212
26	CTCSS	162.2	77	DCS	265	127	DCS	225
20	CTCSS	167.9	78	DCS	271	120	DCS	240
28	CTCSS	173.8	79	DCS	306	130	DCS	252
29	CTCSS	179.9	80	DCS	311	131	DCS	266
30	CTCSS	186.2	81	DCS	315	132	DCS	200
31	CTCSS		82	DCS	331	133	DCS	325
32	CTCSS	<u>192.8</u> 203.5	83	DCS	343	134	DCS DCS	
33	CTCSS	203.5	84	DCS	346		DCS DCS	332
34		210.7	85	DCS	351	135		356 446
35	CTCSS		86			136	DCS	
	CTCSS	225.7		DCS	364	137	DCS	452
<u>36</u> 37	CTCSS	233.6	87	DCS	365	138	DCS DCS	454
	CTCSS	241.8	88	DCS	371	139		455
38	CTCSS	250.3	89	DCS	411	140	DCS	462
39	DCS	23	90	DCS	412	141	DCS	523
40	DCS	25	91	DCS	413	142	DCS	526
41	DCS	26	92	DCS	423	143	DCS	69.3
42	DCS	31	93	DCS	431	144	CTCSS	159.8
43	DCS	32	94	DCS	432	145	CTCSS	165.5
44	DCS	43	95	DCS	445	146	CTCSS	171.3
45	DCS	47	96	DCS	464	147	CTCSS	177.3
46	DCS	51	97	DCS	465	148	CTCSS	183.5
47	DCS	54	98	DCS	403	149	CTCSS	189.9
48	DCS	65				150	CTCSS	196.6
49	DCS	71	99	DCS	503	151	CTCSS	199.5
50	DCS	72	100	DCS	506	152	CTCSS	206.5
51	DCS	73	101	DCS	516	153	CTCSS	229.1
52	DCS	74	102	DCS	532	154	CTCSS	254.1



#### **Cobra Radio Programming Software**

Please visit Cobra.com to download the software allowing the ability to fully customize your radio and save Profiles to be used on your radios. See additional help for frequencies, licensing, and computer programming help on Cobra.com.

#### **Transmit and Receive Procedure**

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To transmit (talk), press the Push to Talk (PTT) button.
- To receive calls, release the PTT button.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance).

#### **FCC Statement**

**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 parts 15 and 90 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 Performa<sup>™</sup> 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.

**Disposal of Electroic Equipment** This product may contain hazardous substances that could impact health and the environment if not disposed of properly.

The product should not be disposed of along with household waste. It should be handed over to an applicable collection point for the recycling of electrical equipment. By ensuring that this product is disposed of correctly you will help/prevent potential negative impact on the environment.

If you need more information on the collection, reuse and recycling systems, please contact your local civic office or the shop where it was originally purchased.

#### 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 at least one inch (2.5 cm) from your face and speak in a normal voice, with the antenna pointed up and away. DO NOT hold the antenna when the radio is "in use". Holding the antenna affects the effective range. Do not hold the antenna when the radio is in use. Holding the antenna affects the effective range.

#### FCC Part 15.21 Warning Statement

**NOTE:** THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

#### **Radiation Exposure Statement:**

Under ISEDC regulations, this radio transmitter may only operate using the antenna that is affixed to the radio transmitter. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may void the user's authority to operate the radio. Any changes of modifications not expressly approved by the party responsible for compliance could void the user's ability to operate the equipment. SAR tests are conducted using standard operating positions accepted by the FCC/ISEDC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This device has been tested and certified to not exceed the exposure limit established by the FCC/ISEDC. Tests for each device are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC/ISEDC.

#### Licensing

Performa 400 Series radios operate on radio frequencies that are regulated by the Federal Communications Commission (FCC). In order to transmit on these frequencies, you are required to have a license issued by the FCC. Before filling out your application, you must decide which frequency(ies) you can operate on. See Default Frequencies on page 14. For questions on determining your radio frequency, please call Cobra Customer Support at 800-543-1608.

Changes or modifications not expressly approved by Cedar Electronics may void the user's authority granted by the FCC to operate this radio and should not be made. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

**NOTE:** Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.



#### Warranty Terms:

Cobra warrants your product against all defects in materials and workmanship for a period of two (2) vears 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 two (2) 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.

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# Limited 2-Year Warranty and Trademark Information