TLKR T92 H2O
OWNER'S MANUAL

en-US zh-CN

ᴍ MOTOROLA

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS

ATTENTION!
Before using this product, read the RF Energy Exposure and Product Safety Guide that ships with the radio which contains instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulation.

Package Contents

Package Content	T92
Radio	1
Belt clip	1
Battery	1
Power Supply	1
Owner's manual	1

Frequency Chart

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	409.75000	8	409.83750	15	409.92500
2	409.76250	9	409.85000	16	409.93750
3	409.77500	10	409.86250	17	409.95000
4	409.78750	11	409.87500	18	409.96250
5	409.80000	12	409.88750	19	409.97500
6	409.81250	13	409.90000	20	409.98750
7	409.82500	14	409.91250		

Features and Specifications
- 20 analog channels
- 121 Sub-Codes (38 CTCSS Codes and 83 DCS codes)
- VOX
- Flashlight with WHITE and RED LED
- 20 Selectable Call Tone Alerts
- Backlit LCD Display
- Roger Beep
- Micro USB Connector for charging
- Battery Level Meter
- Channel Monitor
- Channel Scan
- Dual Channel Monitor
- Keypad Lock
- Auto Squelch Control
- Auto Repeat (Scrolling)
- Battery Low Alert
- Battery Low Sleep
- Tone (On/Off)
- Silent Mode (Vibrate Alert)
- Emergency Features
- Water-Activated Flashlight
- IP Rating: IP67
- Power Source: NiMH battery Pack / 3 x AA Alkaline batteries
- Battery Life: 16 Hours (under typical use conditions)

Note: Range may vary depending on environmental and/or topographical conditions.
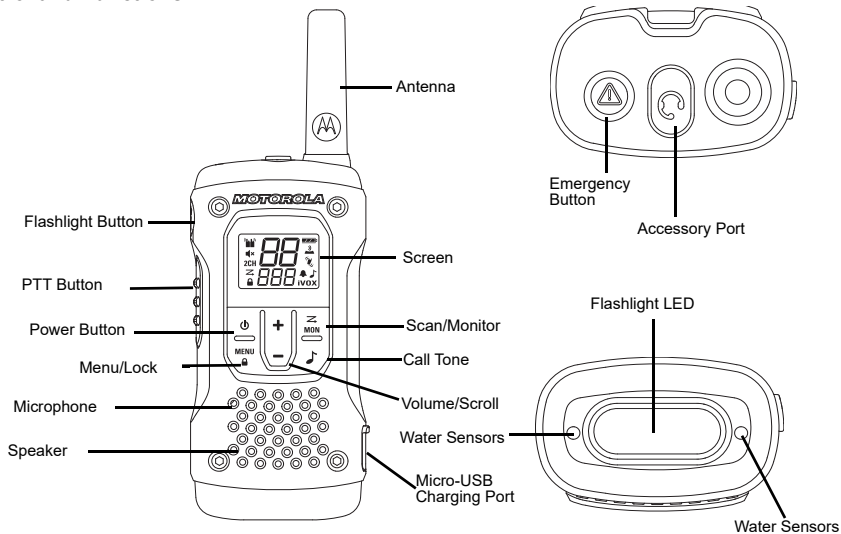
Waterproof
This radio is waterproof to IP-67 standards. It will withstand submersion under up to 1 meter of water for up to 30 minutes. The radio is resistant to water, rain, and splashes only when the battery cover and headset accessory port are sealed. Open the battery compartment door or headset port cover only when the radio is dry. Use of a headset accessory should be in dry environments only.
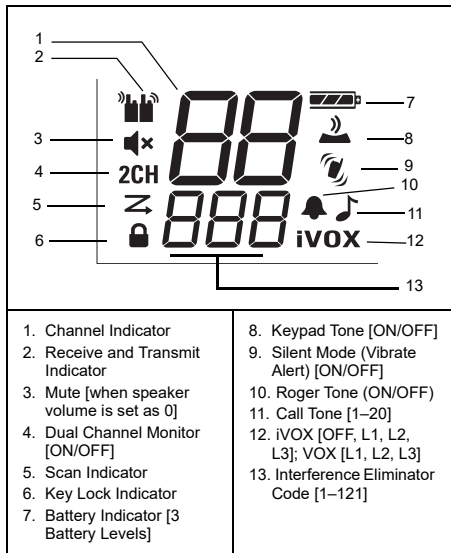The charging base and AC adaptor are not waterproof. Do not expose the charger to rain or snow. Charge the radios only in a dry location. Do not place wet radios into the charging base. If the radio has been submerged in water, shake the radio briskly so that any water that is trapped inside the speaker grille and microphone port can be removed. Otherwise, the water will decrease the audio quality of the radio.
WARNING: This radio floats with the included NiMH battery (800 mAh). It may not float with other batteries.

Control and Functions

Antenna

Emergency Button

Accessory Port

Flashlight Button

PTT Button

Power Button

Menu/Lock

Microphone

Speaker

Screen

Scan/Monitor

Call Tone

Volume/Scroll

Micro-USB Charging Port

Flashlight LED

Water Sensors

Water Sensors

2

Display

1. Channel Indicator	8. Keypad Tone [ON/OFF]
2. Receive and Transmit Indicator	9. Silent Mode (Vibrate Alert) [ON/OFF]
3. Mute [when speaker volume is set as 0]	10. Roger Tone (ON/OFF)
4. Dual Channel Monitor [ON/OFF]	11. Call Tone [1–20]
5. Scan Indicator	12. iVOX [OFF, L1, L2, L3]; VOX [L1, L2, L3]
6. Key Lock Indicator	13. Interference Eliminator Code [1–121]
7. Battery Indicator [3 Battery Levels]	

Installing the Batteries

Each radio can either use a one NiMH rechargeable battery pack or three units of AA Alkaline Battery, and beeps when the batteries are low.

**Installing the NiMH Rechargeable Battery Pack**
1. Make sure your radio is turned OFF.
2. With the back of the radio facing you, loosen the retaining screw on the battery door and open the cover.
3. Remove the NiMH battery pack from the clear plastic bag (do not disassemble or unwrap the battery pack).
4. Insert the NiMH battery pack with the diagram facing you. (The ribbon should be underneath the battery pack and should wrap around the right side of the pack for easy removal).
5. Close the battery cover and tighten the retaining screw on the battery door.

Installing the Three AA Alkaline Batteries
1. Make sure your radio is turned OFF.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Insert the three AA Alkaline batteries with (+) and (-) polarity as shown inside. (The ribbon should be underneath the AA alkaline batteries and wrap around the right side of the batteries).
4. Close the battery cover and tighten the retaining screw on the battery cover.

Removing the Batteries

Removing the NiMH Battery Pack
1. Make sure your radio is turned OFF.
2. With the back of the radio facing you, loosen the retaining screw on the battery door and open the cover.
3. Remove the NiMH battery pack by pulling the ribbon.
4. Close the battery cover and tighten the retaining screw on the battery door.

Removing the Three AA Alkaline Batteries
1. Make sure your radio is turned OFF.
2. With the back of the radio facing you, loosen the retaining screw on the battery door and open the cover.

3

3. Gently remove each alkaline battery by easing each battery out individually.
4. Close the battery cover and tighten the retaining screw on the battery door.

Note: Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries.
Remove the batteries before storing your radio for an extended period of time. Batteries corrode over time and may cause permanent damage to your radio.

Radio Battery Meter

The Radio Battery icon shows the battery charge level from full ▰▰▰ to empty ▭ . When the radio has one segment left, the radio chirps periodically or after releasing the PTT button (Low Battery Alert).

Battery Capacity Maintenance
1. Charge the NiMH batteries once every three months when not in use.
2. Remove the battery from the radio after using for storage purposes.
3. Store the NiMH batteries in a temperature between -20 °C to 35 °C and in low humidity. Avoid damp conditions and corrosive materials.

Using the Micro-USB Charger

The micro-USB charger is a handy port that allows you to conveniently charge your NiMH battery pack.
1. Make sure your radio is turned OFF.
2. Plug the micro-USB cable into the micro-USB charging port on your radio. Connect the other end of the micro-USB charger to wall power outlet.
3. An empty battery will be fully charged in eight hours.
4. The battery meter bar will move when the battery is charging.

Note: It is recommended to power OFF your radio while charging. However, if power is ON while charging,

you may not be able to transmit a message if the battery is completely empty. Allow time for the battery to charge to one bar before attempting to transmit a message.
When moving between hot and cold temperatures, do not charge the NiMH battery pack until the temperature acclimates (usually about twenty minutes).
For optimal battery life, remove the radio from the charger within sixteen hours. Do not store the radio while connected to the charger.

⚠ Caution	**i. Risk of explosion if the battery is replaced by an incorrect type.** **ii. Connect the USB charger to a nearby and easily accessible wall power outlet.**

Attaching and Removing the Belt Clip
1. Attach the belt clip to the TLKR plate at the back of the radio until the clip clicks in place.
2. Attach the belt clip to pocket or belt strap until the clip clicks in place.

To Remove
1. Push the release tab on top of the belt clip to release the latch.
2. Pull the belt clip away from the back of the radio.

Turning your Radio On and Off

Press and hold the 🔘 Power button to turn the radio ON or OFF.

1. In the ON position, the radio chirps and briefly shows all feature icons available on the radio.
2. The display screen then shows the current channel, code and all features that are enabled.

Setting the Volume

From Standby Mode, press on either $(+)$ or $(-)$ to show the current value. Press $(+)$ or $(-)$ again to adjust the volume setting.

1. Press $(+)$ to increase the speaker volume.

2. Press $(-)$ to decrease the speaker volume.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.
Adjust '0' to mute the speaker.

Talking and Listening

All radios in your group must be set to the same channel and Interference Eliminator Code in order to communicate.
1. Hold your radio 5–8 cm from your mouth.
2. Press and hold the PTT button while speaking. The Transmit

   icon appears on the display.
3. Release the PTT button. You can now receive incoming calls. When you do, the Receive icon appears on the display.

For maximum clarity, hold the radio 2 to 3 inches away and avoid covering the microphone while talking.

Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than 5 feet apart.

Monitor Button

Pressing and holding Scan/Monitor button 3 seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also press Scan/Monitor button to check the activity on your current channel before you talk.

Push-to-Talk Time-out Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press the PTT button for 60 seconds continuously.

Menu Options

```
┌─────────────────────────────────────┐
│           Two Way Mode              │◄───────┐
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│           Channel (1-20)            │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│           Sub Code (0-121)          │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│           Call Tone (1-20)          │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│    Voice Operated Transmission      │        │
│    (VOX) (Off, L1,L2,L3)            │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                    Menu Key │
┌─────────────────────────────────────┐        │
│       Dual Watch Channel (1-22)     │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│ Dual Watch Interference Eliminator Code │    │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│        Vibrate Alert (On/Off)       │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│        Keypad Tones (On/Off)        │        │
└─────────────────────────────────────┘        │
         ↓ Menu Key                             │
┌─────────────────────────────────────┐        │
│   Talk Confirmation Tones (On/Off)  │────────┘
└─────────────────────────────────────┘
```
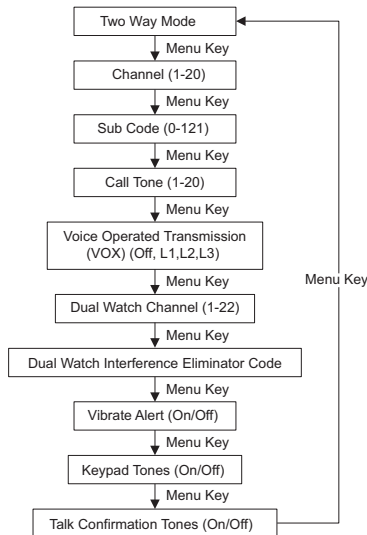
Selecting the Channel

Your radio has eight channels. The channel is the frequency the radio uses to transmit.

1. With the radio ON, press (MENU) Menu button until the channel number starts to flash.

2. Press (+) or (−) to change the channel. Long press on these keys allows you to scroll through the channels rapidly to browse the codes.

3. Press PTT button to exit menu or (MENU) Menu button to continue set up.

Selecting the Interference Eliminator Code

Interference Eliminator Codes help minimize interference by blocking transmissions from unknown sources. Your radio has 121 Interference Eliminator Codes.
To set the code for a channel:

1. Press (MENU) Menu button twice until the code "9" starts to flash.

2. Press (+) or (−) to select the code. You can press or hold to speed up scrolling through the codes.

3. Press the PTT button to exit menu or (MENU) Menu button to continue set up.

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk. Your radio has 20 call tones for you to choose from.
To set a call tone:

1. Press (MENU) Menu button three times until Call Tone (♪) icon appears. The current call tone setting will flash.

2. Press (+) or (−) to change and listen to the call tone.

3. Press the PTT button to exit menu or (MENU) Menu button to

continue set up.

In order to transmit your call tone to other radios, set up the same channel and Interference Eliminator Code on your radio and press (♪) Call Tone button.

Voice Operated Transmission (**VOX**)

Transmission is initiated by speaking into the microphone of the radio instead of pushing the PTT button.

1. Press (MENU) Menu button four times until **VOX** icon

appears on the display. The current setting (L1-L3) will flash.

2. Press (+) or (−) to select the sensitivity level.

3. Press the PTT button to exit menu or (MENU) Menu button to

continue set up.

L3 = High Sensitivity for quiet environments

L2 = Medium Sensitivity for most environments

L1 = Low Sensitivity for noisy environments

Note: There is a short delay between the time you start talking and when the radio transmits.

Dual Channel Monitor

Enables you to scan the current channel and another channel alternately.

To set another channel and start Dual Channel:

1. Press (MENU) Menu button five times until the Dual Channel

2CH icon appears. The Dual Channel will flash.

2. Press (+) or (−) to select the channel then press (MENU) Menu

button.

3. Press (+) or (−) to select the Interference Eliminator Code.

4. Press the PTT button to exit menu or (MENU) Menu button to

continue set up.

5. The radio starts to Dual Channel.

Note: If you set the same channel and code as the current channel, Dual Channel Monitor turns OFF.

Silent Mode (Vibrate Alert)

Silent Mode (Vibrate Alert) notifies you that your radio is receiving a message. This is useful in noisy environments. When the alert is on, the radio vibrates once every 30 seconds when you receive a message on the channel and code you set.

1. Press (MENU) Menu button seven times until Vibracall icon

is displayed. The current setting will flash.

2. Press (+) or (−) to change the setting to On/Off.

3. Press the PTT button to exit menu or (MENU) Menu button to

continue set up.

Keypad Tones

You may enable or disable the speaker key tones. You will hear the key tone each time a button is pushed.

1. Press (MENU) Menu button eight times until Keypad Tone

icon appears. The current setting On/Off will flash.

2. Press either (+) or (−) to turn On/Off.

7

3. Press the PTT button to confirm or ⓘ(MENU) Menu button to

continue set up.

Note: The following are not disabled when the key tone feature is OFF:
•Transmit time-out alert tone
•Call tone
•Low battery alert tone or
•The transmitted talk confirmation tone

Transmitting a Talk Confirmation Tone

You can set your radio to transmit a unique tone when you finish transmitting. It is like saying "Roger" or "Over" to let others know you have finished talking.

1. Press ⓘ(MENU) Menu button nine times until the Roger Tone 🔔

icon appears. The current setting On/Off flashes.

2. Press ⊕ or ⊖ to turn On or Off.

3. Press the PTT button to set or ⓘ(MENU) Menu button to continue

set up.

Emergency Alert Mode

The Emergency Alert feature can be used to signal members in your group of your need for urgent help. T92 H2O radios will operate in an automatic "hands- free" emergency control mode for a total of 30 seconds after activating the Emergency Alert. T92 H2O 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 second alert, any spoken words or incidental sounds at your end will be transmitted to the group for 22 seconds. For the 30 second duration of Emergency Alert mode, T92 H2O radio controls and buttons will be locked to maximize reception of the emergency message.

1. Press and hold the Emergency Alert button for 3 seconds.

2. Release the button and the alert tone begin to sound. At the same time, it activates RED LED flash. There is no need to continue to hold the Emergency Alert button or use PTT for your message to be transmitted.

WARNING: The Emergency Alert feature should only be used in the even of an actual emergency. Motorola Solutions is not responsible if there is no response to the emergency alert from the receiving group.

Built-in Flashlight

Press the Flashlight button to cycle between OFF, RED Light, WHITE Light and then back to OFF again.
The Flashlight will turn off when you press the Flashlight button if the RED Light is left on for more than 3 seconds.
The Flashlight will turn off automatically after 30 minutes of non-activity if the battery level is below 50%.
Note: Turn off the flashlight when not in use to conserve battery power.

Keypad Lock

To avoid accidentally changing your radio settings:

1. Press and hold ⓘ(MENU) Menu button until Key Lock Indicator 🔒

icon displays.

2. You can turn the radio ON and OFF, adjust the volume, receive, transmit, and monitor channels when in the lock mode. All other functions remain locked.

3. Press ⓘ(MENU) Menu button and hold until 🔒 Key Lock Indicator

is no longer displayed to unlock the radio.

Scanning

Use the scan function to do the following:
- Search the eight channels for transmissions from unknown parties.
- Find someone in your group who has accidentally changed channels or
- To quickly find unused channels for your own use.

There is a priority feature and two modes of scanning (basic and advanced) to make your search more effective.
- The "Basic Scan" mode uses the channel and code combinations for each of the eight channels as you have set them (or with the default code value of 1).
- The "Advance Scan" mode will scan all channels for any and all codes; detect any code in use and use that code value temporary for that channel.
- Priority is given to the "Home Channel" (i.e. the channel and Interference Eliminator Code your radio is set to when you start the scan). This means the initial channel (and code settings) is scanned more often than the other seven channels and your radio will respond quickly to any activity occurring on the home channel as a priority.

To start Basic Scanning:

1. Press the $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ key briefly. The Scan $\mathbf{Z}$ icon will appear in the display and the radio will begin to scroll through the channel and code combinations.
2. When the radio detects channel activities matching the channel and code combination, the radio will stop scrolling and you can hear the transmission.
3. Press the PTT button within 5 minutes after the end of the transmission to respond and talk to the person transmitting.
4. The radio will resume scrolling through the channels 5 seconds after the end of any received activity.
5. Press the $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ Scan/Monitor button briefly to stop scanning.

To start Advanced Scanning:

To set another channel and start Dual Channel Monitor:

1. Press the $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ Scan/Monitor button briefly. The Scan $\mathbf{Z}$ icon will appear in the display and the radio will begin to scroll through the channels. No Interference Eliminator Codes will filter what is heard.
2. When the radio detects channel activities with ANY code (or NO code), it stops scrolling and you can hear the transmission. Any Interference Eliminator Code that may be use by other party will be detected and displayed.
3. When you respond and talk to the person transmitting, press the PTT button within five seconds after the end of the transmission.
4. The radio will resume scrolling through the channels 5 seconds after the end of any received activity.
5. Press the $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ Scan/Monitor button briefly to stop scanning.

Scanning Notes:

1. The transmission will be on the "Home Channel" if you press the PTT button while the radio is scrolling through inactive channels. You may press the $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ Scan/Monitor button to stop scanning at any time.
2. You may immediately resume the scan by briefly pressing the $\left(+\right)$ or $\left(-\right)$ if the radio stops on an undesired transmission.
3. You may temporarily remove that channel from the scan list by pressing and holding $\left(+\right)$ or $\left(-\right)$ for 3 seconds if the radio stops repeatedly on an undesired transmission. You may remove more than one channel this way.
4. Turn the radio OFF and then turn back ON, or EXIT and re-enter the scanning mode by pressing $\left(\begin{smallmatrix}\underline{\underline{Z}}\\ \text{MON}\end{smallmatrix}\right)$ Scan/Monitor button to restore and remove channel(s) to the scan list.

5. You cannot remove the "Home Channel" from the scan list.
6. In the Advanced Scan, the detected code will only be used for one transmission. You must take note of that code, exit scan and set the detected code on that channel to permanently use the detected code.

Water Sensor

When the radio comes in contact with water, the WHITE LED will begin flashing until the battery is dead. Press the Flashlight button to turn off the flashing LED.

Warranty Information

The authorized Motorola Solutions dealer or retailer where you purchased your Motorola Solutions two-way radio and/or original accessories will honour a warranty claim and/or provide warranty service.
Please return your radio to your dealer or retailer to claim your warranty service. Do not return your radio to Motorola Solutions.
In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The two-way radio should also clearly display the serial number. The warranty will not apply if the type or serial numbers on the product have been altered, deleted, removed, or made illegible.

What Is Not Covered By The Warranty

- Defects or damage resulting from use of the Product in other than its normal and customary manner or by not following the instructions in this user manual.
- Defects or damage from misuse, accident or neglect.
- Defects of damage from improper testing, operation, maintenance, adjustment, or any alteration or modification of any kind.
- Breakage or damage to aerials unless caused directly by defects in material or workmanship.

- Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
- Defects or damage due to range.
- Defects or damage due to moisture, liquid or spills.
- All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.
- Products rented on a temporary basis.
- Periodic maintenance and repair or replacement of parts due to normal usage, wear and tear.

Copyright Information

The Motorola Solutions products described in this manual may include copyrighted Motorola Solutions programs, stored semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola Solutions, certain exclusive rights for copyrighted computer programs, including the exclusive right to copy or reproduce in any form, the copyrighted Motorola Solutions programs.
Accordingly, any copyrighted Motorola Solutions computer programs contained in the Motorola Solutions products described in this manual may not be copied or reproduced in any manner without express written permission of Motorola Solutions. Furthermore, the purchase of Motorola Solutions products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents or patent applications of Motorola Solutions, except for the normal non-exclusive royalty free license to use that arises by operation of law in the sale of a products.

Part Name	Hazardous Substances					
	(Pb)	(Hg)	(Cd)	(Cr + 6)	(PBB)	(PBDE)
Housing	O	O	O	O	O	O
Display PCBA	O	O	O	O	O	O
PCBA	X	O	O	O	O	O
Cable	O	O	O	O	O	O
Battery	X	O	O	O	O	O
PSU	X	O	O	O	O	O
Charger Tray	X	O	O	O	O	O
This table is prepared according to SJ/T 11364.						
O: Indicates that the content of such hazardous substance in all homogeneous materials of such component is within the limits specified in GB/T 26572.						
X: Indicates that the content of such hazardous substance in at least one homogeneous material of such component exceeds the limits specified in GB/T 26572.						

Notes

便携式双向对讲机的射频能量辐射和产品安全指南

注意！
使用本产品前，请阅读对讲机附带的《射频能量辐射和产品安全指南》，其中包含有关安全使用以及射频能量认识和控制的说明，以便遵守适用的标准和法规。

包装内容

包装内容	T92
对讲机	1
皮带夹	1
电池	1
电源	1
使用手册	1

频率图表

信道	频率 (MHz)	信道	频率 (MHz)	信道	频率 (MHz)
1	409.75000	8	409.83750	15	409.92500
2	409.76250	9	409.85000	16	409.93750
3	409.77500	10	409.86250	17	409.95000
4	409.78750	11	409.87500	18	409.96250
5	409.80000	12	409.88750	19	409.97500
6	409.81250	13	409.90000	20	409.98750
7	409.82500	14	409.91250		

功能和规格
- 20 个模拟信道
- 121 个子代码（38 个 CTCSS 代码和 83 个 DCS 代码）
- VOX
- 带白色和红色 LED 指示灯的手电筒
- 20 个可选的呼叫提示音提示
- 背光 LCD 显示屏
- 传输结束提示音
- 微型 USB 充电连接器
- 电池电量表
- 信道监听
- 信道扫描
- 双信道监听
- 键盘锁定
- 自动降噪控制
- 自动重复（滚动）
- 电池电量低提示
- 电池电量低睡眠
- 提示音（开/关）
- 静音模式（振动提示）
- 紧急功能
- 水激活手电筒
- IP 防护等级：IP67
- 电源：镍氢电池组/3 节 AA 碱性电池
- 电池寿命：16 小时（在典型使用情况下）

注意：覆盖范围会因环境和/或地形条件而异

防水
此对讲机防水等级达到 IP-67 标准。它可承受浸泡在深达 1 米的水中长达 30 分钟。仅当电池舱盖和耳机附件端口密封时，对讲机才防水、防雨和防飞溅液体。仅当对讲机干燥时，才打开电池舱盖或耳机端口盖。只能在干燥环境使用耳机附件。

充电基座和交流电源适配器不防水。切勿让充电器暴露在雨或雪中。仅在干燥位置为对讲机充电。切勿将潮湿的对讲机放入充电基座。

如果对讲机被浸没在水中，请迅速擦干对讲机，将积留在扬声器网罩和麦克风端口内的水甩出。否则，积留的水分会降低对讲机的音频质量。

警告：使用附带的镍氢电池 (800mAh) 时，此对讲机会漂浮。使用其他电池时，可能不会漂浮。

控件和功能

天线

紧急呼叫
按键

附件端口

手电筒按键

屏幕

PTT 按键

电源按键

扫描/监听

菜单/锁定

呼叫提示音

麦克风

音量/滚动

扬声器

水传感器

微型 USB
充电端口

手电筒 LED 指示灯

水传感器

简体中文

2

显示屏

1. 信道指示符	8. 键盘音 [开/关]
2. 接收和传输指示符	9. 静音模式（振动提示）[开/关]
3. 静音 [将扬声器音量设置为 0 时]	10. 传输结束提示音（开/关）
4. 双信道监听 [开/关]	11. 呼叫提示音 [1–20]
5. 扫描指示符	12. iVOX [关，L1，L2，L3]；VOX [L1，L2，L3]
6. 按键锁定指示符	13. 干扰消除器代码 [1–121]
7. 电池指示符 [3 种电池电量]	
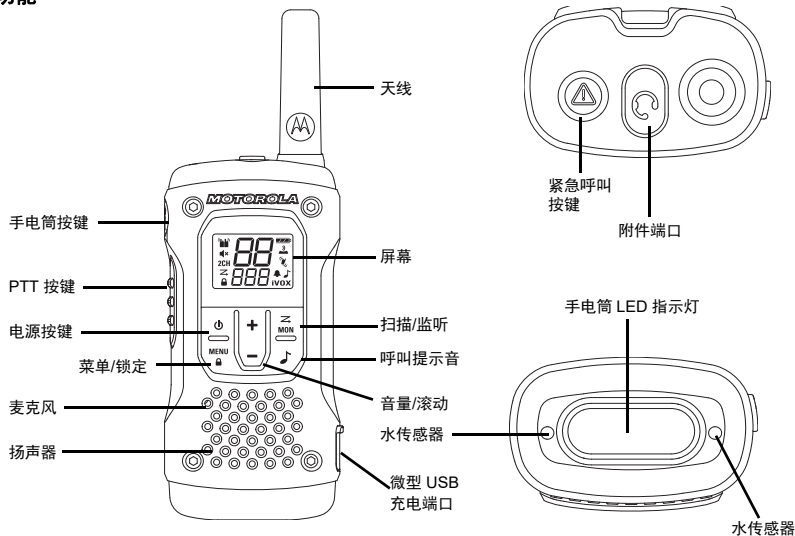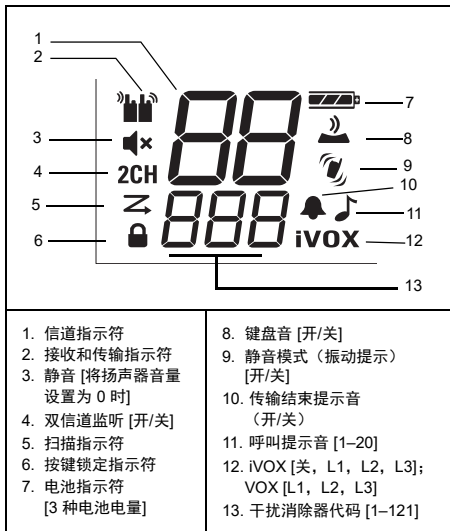
安装电池
每个对讲机都可以使用一个镍氢可充电电池组或三节 AA 碱性电池，并且会在电池电量低时发出蜂鸣声。

安装镍氢可充电电池组
1. 确保对讲机已关闭。
2. 让对讲机背面朝向您，拧松电池舱盖上的固定螺钉并打开电池舱盖。
3. 从透明的塑料袋中取出镍氢电池组 （请勿拆解或打开电池组）。
4. 插入镍氢电池组，插入时图案朝向您。（丝带应位于电池组下方且应缠绕在电池组右侧，以方便取出）。
5. 合上电池舱盖并拧紧电池舱盖上的固定螺钉。

安装三节 AA 碱性电池
1. 确保对讲机已关闭。
2. 让对讲机的背面朝向您，向上提起电池舱盖锁片并卸下电池舱盖。
3. 插入三节 AA 碱性电池，插入时 (+) 和 (-) 极性如内部所示。（丝带应位于 AA 碱性电池下方且应缠绕在电池右侧）。
4. 合上电池舱盖并拧紧电池舱盖上的固定螺钉。

取出电池
取出镍氢电池组
1. 确保对讲机已关闭。
2. 让对讲机背面朝向您，拧松电池舱盖上的固定螺钉并打开电池舱盖。
3. 通过拉丝带取出镍氢电池组。
4. 合上电池舱盖并拧紧电池舱盖上的固定螺钉。

取出三节 AA 碱性电池
1. 确保对讲机已关闭。
2. 让对讲机背面朝向您，拧松电池舱盖上的固定螺钉并打开电池舱盖。
3. 通过逐节松动每节电池，轻轻取出每节碱性电池。
4. 合上电池舱盖并拧紧电池舱盖上的固定螺钉。

注意：取出镍氢或 AA 电池时要特别小心。切勿使用尖利或导电工具取出这些电池。
如果会长时间存放对讲机，请先取出电池再存放。电池会随着时间推移而腐蚀并可能会导致永久损坏对讲机。

简体中文

3

对讲机电池电量计量仪

对讲机电池图标显示从满 ▬▬▬► 到空 ▭▭► 的电池电量。

当对讲机剩下一个格时,对讲机会定期或在释放 PTT 按键后发出嘟啾音 (电量低警报)。

电池容量维护

1. 不使用时,每三个月为镍氢电池充电一次。
2. 使用后从对讲机中取下电池再存放。
3. 将镍氢电池存放在温度介于 -20 °C 至 35 °C 之间且湿度低的地方。避免潮湿情况和腐蚀性材料。

使用微型 USB 充电器

微型 USB 充电器是非常方便的端口,可让您方便地为镍氢电池组充电。

1. 确保对讲机已关闭。
2. 将微型 USB 电缆插入对讲机上的微型 USB 充电端口。将微型 USB 充电器的另一端连接到墙上电源插座。
3. 为电量耗尽的电池充满电需要 8 小时。
4. 电池正在充电时,电池电量计量仪格将移动。

注意:建议在充电时关闭对讲机电源。但是,如果在充电时开机,若电池电量已完全耗尽,您可能无法传输消息。等待电池充电到一格电量后,再尝试传输消息。在热冷温度之间移动时,请等到对镍氢电池组适应温度变化之后,才为它充电 (一般需要 20 分钟左右)。要获得最佳电池寿命,请在 16 小时内从充电器中拔下对讲机。存放对讲机时,请勿连接到充电器。

⚠ 小心	i. 如果更换为错误类型的电池,则存在爆炸风险。
	ii. 将 USB 充电器连接到附近方便插拔的电源插座。

4

系上和解下皮带夹

1. 将皮带夹穿过对讲机背面的 TLKR 板,直至皮带夹卡入到位。
2. 将皮带夹连接到口袋或皮带,直至皮带夹卡入到位。

解下

1. 按皮带夹顶部的释放卡环以释放锁片。
2. 从对讲机背面拉出皮带夹。

打开和关闭对讲机

按住 (⏻) 电源按钮以打开或关闭对讲机。

1. 在打开位置,对讲机会发出嘟啾音并简短显示对讲机上可用的所有功能图标。
2. 显示屏接着显示当前信道、代码和启用的所有功能。

设置音量

在待机模式下,按下 (+) 或 (−) 以显示当前值。再次按下 (+) 或 (−) 以调整音量设置。

1. 按下 (+) 以调高扬声器音量。
2. 按下 (−) 以调低扬声器音量。

切勿让对讲机靠近您的耳朵。如果音量设置不合宜,可能会损伤您的听力。

调整到"0"会将扬声器静音。

通话和收听

您的组中的所有对讲机都必须设置为相同的信道和干扰消除器代码,才能进行通信。

1. 让对讲机距离您的嘴巴 5-8 厘米。
2. 通话时按住 PTT 按键。显示屏上将显示传输 🗣 图标。
3. 释放 PTT 按键。现在,您可以接收呼入呼叫。这样做时,显示屏上将显示接收 🗣 图标。

要获得最大清晰度，请将对讲机拿到离嘴巴 2-3 厘米处，并且避免在通话时盖住麦克风。

通话范围
您的对讲机在设计上可最大程度提升性能并扩大传输范围。切勿在 5 英尺的距离范围内使用对讲机。

监听键
按住 ($\underset{MON}{\geq}$) 扫描/监听按钮 3 秒，可在未在接收时聆听对讲机的音量大小。这让您可根据需要调整音量。您也可以按下 ($\underset{MON}{\geq}$) 扫描/监听按钮，以在通话前检查当前信道上的活动。

通话按键超时计时器
为了防止意外传输和延长电池寿命，如果您持续按下 PTT 按键 60 秒，对讲机将发出连续警告提示音并停止传输。

菜单选项

```
┌──────────────┐
│   双向模式    │◄──────────┐
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│  信道 (1-20)  │            │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│  子代码 (0-121) │          │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│ 呼叫提示音 (1-20) │        │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│  声控传输      │            │
│ (VOX)（关, L1, L2, L3）│   │
└──────┬───────┘            │
       │ 菜单键          菜单键
┌──────▼───────┐            │
│ 双频监听信道 (1-22) │      │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│ 双频监听干扰消除器代码 │    │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│ 振动提示（开/关） │         │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│ 键盘音（开/关） │           │
└──────┬───────┘            │
       │ 菜单键             │
┌──────▼───────┐            │
│ 通话确认提示音（开/关） │───┘
└──────────────┘
```

5
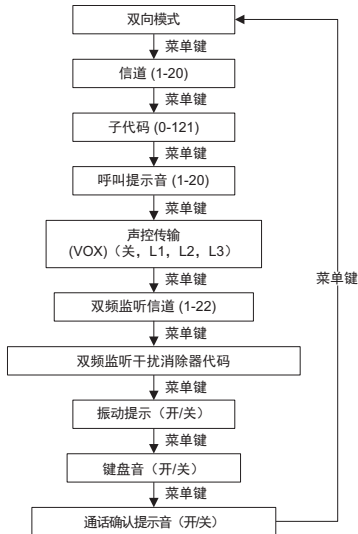
选择信道

您的对讲机有八个信道。信道是指对讲机用于传输的频率。

1. 对讲机处于打开状态时，按下 (MENU) 菜单按钮，直至信道编号开始闪烁。

2. 按下 (+) 或 (−) 以更改信道。长按这些按键将让您可快速滚动浏览信道，以浏览代码。

3. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续设置。

选择干扰消除器代码

干扰消除器代码可通过阻止未知来源的传输，将干扰降至最低。您的对讲机具有 121 个干扰消除器代码。

要设置信道的代码，请执行以下操作：

1. 按下 (MENU) 菜单按钮两次，直至代码"9"开始闪烁。

2. 按下 (+) 或 (−) 以选择代码。您可以按下或按住以加速滚动浏览代码。

3. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续设置。

设置和传输呼叫提示音

您的对讲机可以将不同的呼叫提示音传输到您组中的其他对讲机，以便您可以提示他们您想要通话。您的对讲机有 20 种呼叫提示音可供您选择。

要设置呼叫提示音，请执行以下操作：

1. 按下 (MENU) 菜单按钮三次，直至呼叫提示音 (♪) 图标显示出来。当前呼叫提示音设置将闪烁。

2. 按下 (+) 或 (−) 以更改并聆听呼叫提示音。

3. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续设置。

为了将您的呼叫提示音传输到其他对讲机，请在您的对讲机上设置相同的信道和干扰消除器代码，然后按下 (♪) 呼叫提示音按钮。

声控传输 (VOX)

传输通过对着对讲机的麦克风说话发起，而不是通过按下 PTT 按键发起。

1. 按下 (MENU) 菜单按钮四次，直至显示屏上显示 **VOX** 图标。当前设置 (L1-L3) 将闪烁。

2. 按下 (+) 或 (−) 以选择灵敏度级别。

3. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续设置。

L3 = 高灵敏度，适用于安静环境

L2 = 中灵敏度，适用于大多数环境

L1 = 低灵敏度，适用于嘈杂环境

注意：您开始通话的时间和对讲机传输的时间之间存在短暂延迟。

双信道监听

可让您交替扫描当前信道和另一个信道。
要设置另一个信道并启动双信道，请执行以下操作：

1. 按下 (MENU) 菜单按钮五次，直至双信道 **2CH** 图标显示出来。

   双信道将闪烁。

2. 按下 (+) 或 (−) 以选择信道，然后按下 (MENU) 菜单按钮。

3. 按下 (+) 或 (−) 以选择干扰消除器代码。

4. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续

   设置。

5. 对讲机启动双信道。

**注意：如果您设置与当前信道相同的信道和代码，双信道监听
将关闭。**

静音模式（振动提示）

静音模式（振动提示）通知您对讲机正在接收消息。这在嘈杂
环境中很有用。打开时，您在设置的信道和代码上收到消息
时，对讲机将每隔 30 秒振动一次。

1. 按下 (MENU) 菜单按钮七次，直至震动 图标显示出来。当前

   设置将闪烁。

2. 按下 (+) 或 (−) 以将设置更改为"开/关"。

3. 按下 PTT 按键以退出菜单，或按下 (MENU) 菜单按钮以继续

   设置。

键盘音

您可启用或禁用扬声器按键音。每次按下某个按钮，都会听到按
键音。

1. 按下 (MENU) 菜单按钮八次，直至键盘音 图标显示出来。

   当前设置"开/关"将闪烁。

2. 按下 (+) 或 (−) 以打开/关闭。

3. 按下 PTT 按键以确认，或按下 (MENU) 菜单按钮以继续设置。

注意：按键音功能关闭时，不会启用以下项：

• 传输超时提示音
• 呼叫提示音
• 电量低警报提示音或
• 传输的通话确认提示音

传输通话确认提示音

可将对讲机设置为在完成传输后传输独特的提示音。这就像说
"Roger"或"Over"，让其他人知道您已完成通话。

1. 按下 (MENU) 菜单按钮九次，直至传输结束提示音 图标显示

   出来。当前设置"开/关"将闪烁。

2. 按下 (+) 或 (−) 以打开或关闭。

3. 按下 PTT 按键以设置，或按下 (MENU) 菜单按钮以继续设置。

紧急提示模式

紧急提示功能可用于向您组中的成员发出您需要紧急帮助的信
号。激活紧急提示后，T92 H2O 对讲机将以自动"免提"紧急控制
模式总共运行 30 秒。您组中的 T92 H2O 对讲机会自动将扬声
器音量调到最高设置并发出颤音提示音 8 秒。您自己的对讲机
扬声器和您组中的接收对讲机都将发出提示音。8 秒提示后，您
自己说的任何话或意外声音都将传输到组，持续 22 秒。在紧急
提示模式的 30 秒持续时间内，将锁定 T92 H2O 对讲机控件和
按键，以最大程度接收紧急消息。

1. 按住"紧急提示"按钮 3 秒。
2. 释放该按钮，将开始发出提示音。同时，它将激活红色 LED
   指示灯闪烁。无需继续按住"紧急提示"按钮或使用 PTT 即可
   传输您的消息。

**警告：紧急提示功能只能用于真正发生紧急情况的时刻。如果接
收组没有响应紧急提示，Motorola Solutions 不承担任何责任。**

内置手电筒

按下手电筒按键可在熄灭、红色灯、白色灯之间循环，然后回到熄灭。

如果红色灯保持打开超过 3 秒，则在按下手电筒按键时，手电筒将熄灭。

如果电池电量低于 50%，手电筒将在不活动 30 分钟后自动关闭。

注意：不使用时熄灭手电筒，以节省电池电量。

键盘锁定

**要避免意外更改对讲机设置，请执行以下操作：**

1. 按住 (MENU) 菜单按钮，直至按键锁定指示符 🔒 图标显示出来。

2. 处于锁定模式时，您可以打开和关闭对讲机、调节音量、接收、传输以及监听信道。其他所有功能都保持锁定状态。

3. 按住 (MENU) 菜单按钮，直至不再显示 🔒 按键锁定指示符，以解锁对讲机。

扫描

使用扫描功能可执行以下操作：

- 搜索八个信道，了解是否有来自未知方的传输。
- 查找您组中意外更改信道的人员，或者
- 快速找到未使用的信道供您自己使用。

有一项优先级功能和两种扫描模式（基本和高级）可让您的搜索更有效。

- "基本扫描"模式使用您为八个信道中每个信道设置的信道和代码组合（或使用默认代码值 1）。
- "高级扫描"模式将扫描任何和所有代码的所有信道；检测任何使用中的代码并将该代码值临时用于该信道。
- "主信道"将优先（例如启动扫描时您的对讲机设置的信道和干扰消除器代码）。这意味着，相比其他七个信道，将更频繁地扫描初始信道（和代码设置），而且对讲机将优先快速响应主信道上发生的任何活动。

要启动基本扫描，请执行以下操作：

1. 短按 (MON) 按键。扫描 Ζ 图标将出现在显示屏上，而且对讲机将开始滚动浏览信道和代码组合。

2. 对讲机检测到与信道和代码组合匹配的信道活动时，对讲机将停止滚动，并且您会听到传输的声音。

3. 在传输结束后的 5 分钟内按下 PTT 按键，以响应传输之人并与之通话。

4. 对讲机将在任何收到的活动结束后 5 秒恢复滚动浏览信道。

5. 短按 (MON) 扫描/监听按钮以停止扫描。

要启动高级扫描，请执行以下操作：

要设置另一个信道并启动双信道监听，请执行以下操作：

1. 短按 (MON) 扫描/监听按钮。扫描 Ζ 图标将出现在显示屏上，而且对讲机将开始滚动浏览信道。无干扰消除器代码会过滤听到的内容。

2. 对讲机检测到使用 ANY 代码（或 NO 代码）的信道活动时，将停止滚动，并且您会听到传输的声音。将检测并显示其他方可能使用的任何干扰消除器代码。

3. 当您响应传输人员并与之通话时，在传输结束后 5 秒内按下 PTT 按键。

4. 对讲机将在任何收到的活动结束后 5 秒恢复滚动浏览信道。

5. 短按 (MON) 扫描/监听按钮以停止扫描。

扫描注意事项：

1. 如果您在对讲机上滚动浏览非活动信道时按下 PTT 按键，将在"主信道"上传输。您可以随时按下 (MON) 扫描/监听按钮以停止扫描。

2. 如果对讲机在意外传输时停止，通过短按 (+) 或 (−)，可立即恢复扫描。

3. 如果对讲机反复在意外传输时停止，通过按住 $(+)$ 或 $(-)$ 3 秒，可临时从扫描列表中删除该信道。您可以采用下面的方法删除多个信道。

4. 关闭再重新打开对讲机，或者退出然后重新进入扫描模式，方法是按下 $(\underset{MON}{\scriptstyle\not\simeq})$ 扫描/监听按钮，以将信道恢复到扫描列表和从扫描列表中删除信道。

5. 您不能从扫描列表中删除"主信道"。

6. 在高级扫描中，检测到的代码仅用于一次传输。您必须记下该代码，退出扫描，然后在该信道上设置检测到的代码，以永久使用检测到的代码。

水传感器

对讲机接触到水时，白色 LED 指示灯将开始闪烁，直至电池电量耗尽。按下手电筒按键以熄灭闪烁的 LED 指示灯。

保修信息

您购买 Motorola Solutions 双向对讲机和/或原装附件的授权 Motorola Solutions 经销商或零售商将尊重保修要求和/或提供保修服务。

请将您的对讲机退还给经销商或零售商，以要求保修服务。不要将您的对讲机退还给 Motorola Solutions。

为了获得保修服务资格，您必须提供包含购买日期的购买收据或类似的替代购买证明。双向对讲机还应清晰显示序列号。如果产品上的类型或序列号已被修改、删除、移除或难以辨认，则保修将不适用。

保修不包括的范围

- 以错误方式使用产品或未遵循本用户手册中的说明造成的缺陷或损坏。
- 由于滥用、意外或疏忽造成的缺陷或损坏。
- 由于错误测试、操作、维护、调整或者任何类型的改造或修改造成的缺陷或损坏。
- 不是直接由于材料或工艺缺陷造成的天线破损或损坏。
- 以会给性能带来负面影响或阻止充分检查和测试来验证任何保修要求的方式拆卸或维修产品。
- 范围造成的缺陷或损坏。
- 潮湿、液体或溢出物造成的缺陷或损坏。
- 因正常使用而刮花或损坏的所有塑料表面和所有其他外露部件。
- 临时租赁的产品。
- 因正常使用和磨损产生的部件定期维护和维修或更换。

版权信息

本手册所介绍的 Motorola Solutions 产品可能包括受版权保护的 Motorola Solutions 程序、存储的半导体存储器或其他介质。美国和其他国家/地区的法律保护 Motorola Solutions 的某些受版权保护的电脑程序的专有权利，其中包括以任何形式拷贝或复制受版权保护的 Motorola Solutions 程序的专有权利。

因此，未经 Motorola Solutions 明确的书面许可，不得以任何方式对本手册中介绍的 Motorola Solutions 产品中包含的任何受版权保护的 Motorola Solutions 电脑程序进行拷贝或复制。除此之外，购买 Motorola Solutions 产品不应被认为拥有直接或暗示、禁止反言或其他方式的 Motorola Solutions 之版权、专利或专利申请的任何许可证授权，产品销售过程中法律运用所引起的普通非排他性免税许可证除外。

部件名称	有害物质					
	(Pb)	(Hg)	(Cd)	(Cr + 6)	(PBB)	(PBDE)
外壳	O	O	O	O	O	O
显示屏 PCBA	O	O	O	O	O	O
PCBA	X	O	O	O	O	O
电缆	O	O	O	O	O	O
电池	X	O	O	O	O	O
PSU	X	O	O	O	O	O
充电器 托盘	X	O	O	O	O	O
此表根据 SJ/T 11364 编制。						
O：表示此类组件的所有均质材料中的此类有害物质的含量 在 GB/T 26572 规定的限制范围内。						
X：表示此类组件至少一种均质材料中的此类有害物质的含量超过 GB/T 26572 中规定的限制范围。						

注释

注释

MOTOROLA SOLUTIONS

无线电发射设备型号核准代码会在设备标签上注明.

MN003927A01-AD

Printed in