

X10DR[®]

UHF

 WIRELESS PACIFIC[™]
...WHEN IT MATTERS

Radio Speaker Microphone



Designed for
Peltor
Compatibility

User Manual

X10DR[®]

UHF

Model Information



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Peltor™ Lite-Com™ 433 LPD compatibility



The X10DR UHF Radio Speaker Mic is designed to talk with other X10DR UHF LPD wireless devices. They may also be configured to communicate with Peltor Lite-Com LPD wireless 433MHz headsets. You must set both devices to operate on the same radio channel and privacy code, if applicable, to communicate.

FEATURES

Hand-held low power (LPD) UHF radio operating in the 433MHz LPD radio with 69 channels and 38 user selectable sub-tones with an external audio ports for a headset or other optional audio accessories such as 3.5mm earpiece. The radio features a low battery alert tone and a transmit timer limiter. Selected settings are confirmed by a voice or tones with the last settings selected being saved when the unit is powered off.

HOW TO OPERATE

Power

Press the Red On/Off button until you hear "Power On" and the selected channel number. To turn off press button again until you hear power off tones.

To Talk

Press the Push-To-Talk (PTT) button to speak. Ensure that you speak directly and in relative close proximity (2-3cm) to the front panel* microphone. The Red status light will be illuminated. Release the PTT button to listen. (*or accessory microphone when attached)

Adjust Volume

Press blue Up or Down buttons for desired listening level.

Change Channels

Press Orange Mode button for 2 secs. You will hear the current selected channel number: Use the blue Up/Down buttons to select desired channel number then either, press PTT momentarily, or press Mode button twice and you will then hear "Exit". Now use as desired.

Change Privacy SUB codes

Press Orange Mode button for 2 secs. You will hear the current selected channel number. Press Menu again, you will hear current selected SUB Code number: Use the blue Up/Down buttons to select desired code number then either, press PTT momentarily or press Mode button once again and you will then hear "Exit". Now use as desired. *(see page 9 for Code reference - Using Privacy sub codes will prevent hearing transmissions from unwanted parties using the same channel or interference that be in the air.*

Maximum Range Performance

Attaching the X10DR UHF Radio Speaker Mic high on your shoulder will ensure the maximum communication coverage with others. Radio communications in the 433MHz band is generally line of sight. Steel and concrete walls block the radio waves but will at times allow the radio signal to bounce around and still allow messages to be heard. Should you hear transmissions from an unwanted party you should select an alternate channel to communicate on.

ACCESSORIES

Part No	Description
WPNEX-X10	Interface cable for all Peltor™ J11 down cables.
WPFHC-X10	Interface cable for WPSHD & Peltor™ FLEX2 h/sets.
XIPB	In-Line PTT cable adaptor.
WPTEP	3.5mm acoustic tube earpiece.
WPEH	3.5mm black large earpiece.
LT-EB	3.5mm black earbud earpiece.
WPITRQ-X10	Lapel ear microphone harness.
WPTEP-TL	Acoustic tube earpiece for WPITRQ-X10.
WPEH-TL	Black large earpiece for WPITRQ-X10.
WPEB-TL	Black earbud earpiece for WPITRQ-X10.
XDTC-AU	Single desktop charger (Australia plug).
XSMA3	Replacement X10DR UHF antenna.



Peltor CH-3 Series

WPSHD-X10 Series



MT74H52A



MT74H52P3E



MT74H52B



Peltor
headset
FLEX2
series

FLEX 2
down cable
WPFHC-X10

J11 interface
cable
WPNEX-X10

down cable
WPFHC-X10



In-line PTT
XIPB

WPiTRQ-X10 Ear Microphone



EH-TL

WPiTRQ-X10



WPEB-TL



WPTEP-TL

3.5mm Earpieces



WPTEP



WPEH



WPEB



BATTERY CHARGING

The X10DR UHF Radio Speaker Mic should be charged overnight before initial use. Thereafter it may be worn all day and placed back on charge at the end of the work period. The unit is designed to provide about 12 hours operation between charges even on the busiest radio channels. On quiet channels it may last up to 2-3 days. A short beep tone will sound intermittently when the battery charge level approaches its flat state. The radio will power down automatically when the battery charge reaches its fully discharged state. You should plan to re-charge the unit as soon as is practical once the alert tones are heard. A fully discharged battery will typically recharge in 3-4 hours, less if only partially discharged. The battery will re-charge when placed into the Battery Charger supplied with the X10DR UHF Radio Speaker Mic. The X10DR UHF Radio Speaker Mic should be turned off before charging commences. The charger status light will light Red when charging and Green when fully charged. The radio's status light will also indicate charging mode.



WARNING *Indicates a hazardous situation which, if not avoided, could result in serious injury or death.*



WARNING *To reduce the risks associated with hazardous voltage and fire:*

- *Do not allow debris to fill the pocket as it may prevent the device from making contact with the charging pins.*
- *Keep all liquids well away from the charging cradle at all times.*



WARNING

To reduce the risks associated with hazardous voltage:

- Do not modify AC/DC power adapter plug.
- Do not force the power plug into an outlet where it does not fit.
- Do not expose charger or power adapter to rain, steam or wet conditions.
- Do not submerge the device, or hold under running water, while it is charging.
- Use only provided AC/DC power adapter to recharge or power the device.
- Do not unplug AC/DC adapter by power cord. Handle the adapter by the body only.
- Do not modify, decorate, or attempt to service the device. Return to authorized service centre. There are no user serviceable parts.
- Do not attempt to charge the device using an outdoor outlet.
- Only use AC/DC adaptor in a well ventilated indoor environment.

PRIVACY SUB CODES

The X10DR UHF Radio Speaker Mic can be configured with a number of unique privacy SUB codes. These codes are sent sub-audibly along with your voice and operate such that your X10DR UHF Radio Speaker Mic will only hear transmissions with the same privacy code. All units in your desired privacy group should be configured to use the same code frequency. (see following table)

Note: the privacy SUB code does NOT prevent others from hearing your transmissions but means you do not need to listen to others that are not part of your privacy group.

No:	SUB	Hz	No:	SUB	Hz	No:	SUB	Hz
1	XZ	67.0	14	1B	107.2	27	6Z	167.9
2	XA	71.9	15	2Z	110.9	28	6A	173.8
3	WA	74.4	16	2A	114.8	29	6B	179.9
4	XB	77.0	17	2B	118.8	30	7Z	186.2
5	WB	79.7	18	3Z	123.0	31	7A	192.8
6	YZ	82.5	19	3A	127.3	32	M1	203.5
7	YA	85.4	20	3B	131.8	33	M2	210.7
8	YB	88.5	21	4Z	136.5	34	M3	218.1
9	ZZ	91.5	22	4A	141.3	35	M4	225.7
10	ZA	94.8	23	4B	146.2	36	M5	233.6
12	ZB	97.4	24	5Z	151.4	37	M6	241.8
12	1Z	100.0	25	5A	156.7	38	M7	250.3
13	1A	103.5	26	5B	162.2			

BATTERY & ANTENNA REPLACEMENT

 **WARNING - To reduce the risks associated with fire and explosion:** Do not attempt to replace the rechargeable battery in the X10DR UHF Radio Speaker Mic yourself. The battery must be replaced only by an Authorized Service Provider. The battery should be disposed of in accordance with local regulations. Only use the antenna type supplied.

Handling the X10DR UHF Radio Speaker Microphone:

 **WARNING - To reduce the risks associated with fire and explosion:** Do not drop, disassemble, microwave, burn, paint, or insert foreign objects into X10DR UHF. Do not use X10DR UHF if it has been damaged—for example, if X10DR UHF is cracked, punctured, or damaged by water. X10DR UHF contains sensitive components.

Cleaning your X10DR UHF Radio Speaker Microphone

Clean the radio immediately if it comes into contact with any contaminants such as inks, dyes, cosmetic make-up, dirt, food, oils, and lotions that may cause malfunction. To clean, unplug all cables and power down (press and hold the manual On/Off button). Use a soft, slightly damp lint-free cloth. Don't use abrasive scourers or industrial cleaners and aerosol sprays containing solvents, alcohol, ammonia or similar such chemicals.

Connectors and Press Buttons:

Never force a connector into a port or apply excessive pressure to a button, because this may cause damage, not covered under the terms of the manufacturers warranty. If the connector and port do not align with reasonable ease, they probably don't match. Check for obstructions and make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port

Operating Temperature:

 **WARNING - To reduce the risks associated with fire and explosion:** Do not store the radio in a parked vehicle or in direct sunlight these storage conditions may exceed the specified operating temperature range. The X10DR UHF Radio Speaker Mic is designed to operate and stored in a temperature range -20°C to 55°C. Temperatures levels outside of the standard operating range may reduce battery life or result in malfunction of the X10DR UHF Radio Speaker Mic. It is important to note that the X10DR UHF Radio Speaker Mic may become warm during the battery charging cycle or after extended use. The battery will only charge when its ambient temperature is within the operating temperature limits.

SAFETY PRECAUTIONS

Driving Safely:

 **WARNING - To reduce the risks associated with impact from accident:** Do not use the X10DR UHF Radio Speaker Mic while driving a motor vehicle, riding a motorbike or operating heavy machinery. If you find using the device to be disruptive or distracting while driving or riding, pull off the road and park before making or answering a call. Use of the X10DR UHF Radio Speaker Mic while driving a motor vehicle or riding a motorbike is not recommended and is likely to be illegal in most countries including Australia and New Zealand.

Air Bag Equipped Vehicles:

 **WARNING - To reduce the risks associated with impact from airborne object:** Do not store X10DR Radio Speaker Mic or its accessories in the area over the airbag or in the air bag deployment area. An air bag inflates with great force.

Radio Frequency Energy:

The unit transmits and receives radio frequency (RF) energy through its antenna. The antenna is located at the top edge of the unit. The X10DR UHF Radio Speaker Mic is designed and manufactured to comply with the limits for exposure to RF energy set by international regulatory agencies, including regulatory authorities in Australia and New Zealand.

Explosive Atmospheres:

 **WARNING - To reduce the risks associated with fire and explosion:** Always power down the X10DR UHF Radio Speaker Mic when entering or being exposed to any area deemed to be a potentially explosive atmosphere. Do not charge the X10DR UHF Radio Speaker Mic in any area deemed to be a potentially explosive atmosphere. Adhere strictly to all area Signage and Operations Instructions. Sources of ignition such as static electricity sparks could cause an explosion and may result in serious injury or potentially death. Areas with a potentially explosive atmosphere are usually marked clearly. It is **IMPORTANT TO NOTE** that on occasion this may not be the case. Potential areas may include: fuelling areas (such as petrol stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (LNG); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

Radio Frequency Interference:

This device has not been tested for and is not intended for use on airplanes, in hazardous environments, in healthcare facilities, or where cellular phones or other intentional transmitters are restricted.

WARNING -

Avoid placing the X10DR UHF Radio Speaker Mic next to an implanted electronic device (e.g., don't carry the device in a shirt or jacket pocket directly near an implanted device). Wear the X10DR UHF Radio Speaker Mic on the shoulder opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the device off immediately.



HEADSET USE

WARNING -

Exposure to loud sounds may result in noise induced hearing loss (NIHL):

NIHL can be caused by a one-time exposure to an intense sound such as an explosion, or by continuous exposure to loud sounds over an extended period of time. Workers exposed to hazardous noise may also experience tinnitus, which could become permanent. NIHL is irreversible but completely preventable. If you experience discomfort or ringing in your ears, consult a medical practitioner.

Safe Work Australia in the Work Health and Safety Regulations 2011 determined the noise exposure standard to be 85dB(A) averaged over a time period not exceeding 8 (eight) hours or 140dB(C) as the peak limit. The X10DR UHF Radio Speaker Mic has the option of 8 volume levels. When set at level 8, the communicator emits approximately 96dB at a distance of 10 cm from the front surface of the speaker, exposing wearers to loud sounds. It is therefore recommended that the volume is set and maintained at the lowest level, practical; preferably below level 4. If the ambient noise requires the use of volumes above level 4, it is recommended that 3M Peltor Noise Attenuating Headsets with sound limiters be used in combination with X10DR UHF Group Communicator. It may also be worth considering an alternate means of radio communications,

WARRANTY

Wireless Corporation Ltd (WCL) warrants each new X10DR UHF or accessory product to be free from defects in material and workmanship under normal use and service. The obligation and liability of WCL under this warranty is limited to the repair or replacement at its authorized service centre, at the option of WCL, of any such product which proves defective within the twelve (12) months after delivery, and is found to be defective in material and workmanship by WCL inspection. Products of warranty consideration shall be returned with all transportation charges prepaid to our nominated local service supplier in shipping containers which are adequate to prevent loss or damage in shipment. WCL will pay the return carriage costs. Products repaired or replaced under this warranty are warranted for the unexpired portion of the original warranty. This warranty is invalid if the factory-applied serial number, date code label, or product label has been altered or removed from this product. WCL shall not be obligated or liable under the warranty for apparent defects which examination discloses are due to tampering, misuse, neglect, improper storage, acts of nature, physical abuse, normal wear and all cases where the products are disassembled by other than authorized WCL representatives.

TYPE APPROVAL

The X10DR UHF and its accessories are designed for compliance for LPD operations in the globally allocated 433MHz spectrum. It has been tested and is certified to meet the requirements of:

RF standard:	AS/NZS 4268:2012
Electrical safety :	AS/NZS 60950-1
EMC requirements:	CISPR 22-2012
AC/DC plug pack approval:	SAA130665EA
Li-Ion battery safety:	IEC62133
Ingress Protection:	IP55



SERVICE

To support your X10DR UHF Radio Speaker Mic in the event of a manufacturing defect or damage under the terms of the WARRANTY, please contact an authorized service partners. Technical support and other after sales service requirements, including equipment repairs whether during warranty or post warranty period will be available during normal Australian business hours. Additionally, a fully range of accessories are available to suit the X10DR UHF Radio Speaker Mic and its use with other 3M™Peltor™ noise attenuating headsets and hearing conservation solutions are available.

The Authorized Australian and New Zealand service agents for X10DR UHF and its accessory products is :

Pacific Wireless Communications Pty Ltd

Unit 9, 21 Huntingdale Rd

Burwood, VIC 3125, Australia. Tel: 03-98887347

Authorized Australia/New Zealand Service Agents for: .

Wireless Pacific™ radio communications solutions.



WP6WC-X10
6 way rapid desktop charger



X10DRMC
Mobile charger



Single desktop
charger

Designed for use with 3M™ Peltor™ Products



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