



**O ROKER**

 **OAKLEY**  **MOTOROLA**

# **O ROKR™**

Introducing O ROKR™, the world's first eyewear to stream digital music. Even better, O ROKR lets you wirelessly control the music. Just use the buttons on the frame to select songs on your Bluetooth® music-streaming mobile phone or portable music player. (NOTE: A small add-on Bluetooth adapter may be required.) O ROKR also offers the convenience of hands-free wireless communication with a compatible mobile phone — which means it works like a wireless phone headset, except there's nothing to clip on your ear. Best of all, O ROKR combines the leading Bluetooth technologies of Motorola with the world-class performance and protection of High Definition Optics® (HDO®), available only from Oakley.

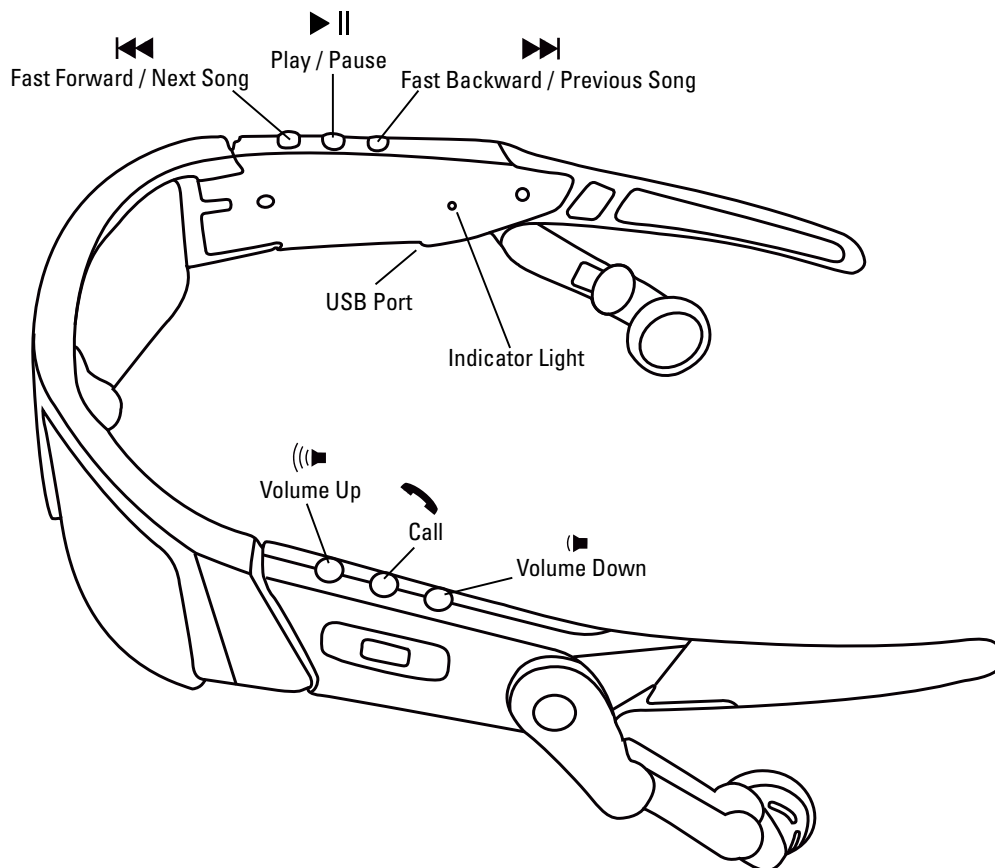
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**IMPORTANT: READ ALL INCLUDED SAFETY INFORMATION BEFORE USING O ROKR.**

## **INTRODUCTION**

O ROKR gives you a mobile, wearable link to your Bluetooth enabled mobile phone with no cords or wires to get in the way. With the ability to stream digital music, O ROKR works like wireless stereo headphones and even lets you control the music wirelessly. Just use a mobile phone with music streaming capability or add a Bluetooth adapter to your portable music player. Make sure the Bluetooth enabled phone or adapter has Bluetooth A2DP (for wireless audio streaming) and Bluetooth AVRCP (for wireless control of music). These Bluetooth technologies allow the device to work with O ROKR.



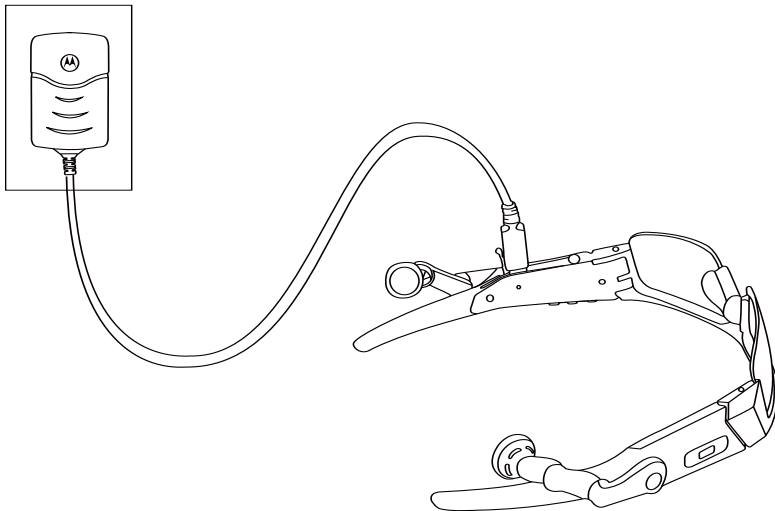
# CHARGING THE BATTERY

Charge O ROKR for 3 hours before using it the first time. (For normal recharging, a fast charge of 1.5 hours will charge the battery to 80% capacity; 3 hours will provide a full charge.) When fully charged, O ROKR provides over 100 hours of standby time or 5 hours of talk time. If O ROKR hasn't been used for a while, the battery may need recharging. When the battery is low, you will hear warning tones every 60 seconds.

O ROKR comes with a wall charger. With the optional USB cable (sold separately), you can charge O ROKR by plugging it into any computer USB port. That way, you can leave the wall charger at home and use the USB cable at the office, or anywhere you have access to a computer.

## TO CHARGE O ROKR

1. Plug the wall charger into an electrical outlet.
2. Plug the charger cable into the eyewear. Be sure to align the plug correctly. If the plug will not go in, try flipping it over.
3. When the indicator light is solid green, charging is complete.




## WHEN CHARGING THE BATTERY, NOTE THE FOLLOWING:

- Battery life depends on many things, including volume level and external temperature.
- The more time you spend talking on the phone or listening to music, the less standby time your rechargeable battery has with the remaining charge.
- Storing O ROKR fully charged in high temperature conditions may permanently reduce the life of the internal battery.
- Low temperature conditions may temporarily shorten battery life.
- The internal Lithium Ion Polymer battery is self-contained and cannot be replaced by the user.
- Any device with a rechargeable battery must be disposed of properly and may need to be recycled. Contact your local recycling center for proper disposal methods.
- **WARNING:** Never dispose of batteries in a fire. Doing so may cause them to explode.

# PAIRING WITH YOUR PHONE AND/OR MUSIC DEVICE

Before you can use O ROKR to make a call, it must be paired with your Bluetooth enabled phone and/or music device. This is a one-time task. Once pairing is complete, O ROKR automatically connects to your phone and/or music device whenever you turn O ROKR on.

## TO PAIR O ROKR WITH YOUR PHONE



1. On your phone, be sure the Bluetooth feature is turned on. For more information, consult the user's guide that came with your phone.
2. With O ROKR turned off, press and hold the Call  button for 7 seconds.  
The indicator light will turn solid red.
3. Have your phone search for Bluetooth devices. (On most Motorola phones, this function can be found under Settings > Connection > Bluetooth Link > Handsfree > Look for Devices.)  
For more information, consult the user's guide that came with your phone.
4. Select Oakley O ROKR from the list of discovered devices on your phone.  
Follow the onscreen prompts to confirm your selection.
5. When prompted by the phone, enter the passkey "0000" (four zeroes).  
Follow the onscreen prompts to confirm your selection.

When pairing is successful, the indicator light flashes green ten times and O ROKR turns on, ready for use. To pair O ROKR with another phone, follow the same instructions. O ROKR can store pairing information for up to eight different devices. See below for more information.


## TO PAIR O ROKR WITH YOUR MUSIC PLAYER


For each music-streaming Bluetooth device, follow the instructions listed above. Some devices require an add-on Bluetooth adapter. Consult the user's guide that came with your Bluetooth device or adapter for additional information.

## WHEN PAIRING WITH ADDITIONAL DEVICES, NOTE THE FOLLOWING:

- If you are pairing with a device that offers no means of entering the four zeroes mentioned in the instructions above, simply put O ROKR and the device in pairing mode then wait a few seconds. Pairing should occur automatically.
- O ROKR keeps a list of the paired devices in its internal memory. The list is in chronological order. When you pair a device beyond the maximum total of eight, the least used device on the list is removed from memory.
- Any of the eight paired devices can initiate a connection with O ROKR. As long as you initiate the connection from the device, O ROKR will connect to it.
- Two different devices (such as a phone and an MP3 player) can be wirelessly connected to O ROKR at the same time. However, two similar devices (such as two phones) cannot.
- Whichever device initiates the connection to O ROKR becomes the "last device connected to" in the memory list. When you initiate a connection from O ROKR (by pressing the Call  button), for a phone connection, or PLAY/PAUSE  button, for music connection O ROKR will automatically initiate a connection to the last device it was connected to.
- If you want O ROKR to connect to a different device in its memory list, you must initiate the connection from that device.

## TURNING O ROKR ON AND OFF

To turn O ROKR on: Press and hold the Call  button for approximately three seconds until you hear four audio tones rising in pitch, or you see the indicator light flash red > amber > green > green.



To turn O ROKR off: While O ROKR is not being used for an active call, press and hold the Call  button for approximately three seconds until you hear four audio tones descending in pitch, or you see the indicator light flash green > amber > red > red.

### NOTE THE FOLLOWING:

- When O ROKR is activated (and not being used for music), it is in “standby” mode, ready to answer a call. The internal rechargeable battery offers over 100 hours of standby time.
- When O ROKR is turned off, it uses no power. However, the internal rechargeable battery will naturally lose power over time, and will eventually require charging.

## ADJUSTING VOLUME

To adjust volume, use the Volume Up  and Volume Down  buttons on the left stem.

- To increase speaker volume, press the front volume button  repeatedly until you reach the desired volume level.
- To decrease speaker volume, press the back volume button  repeatedly until you reach the desired volume level.
- While adjusting volume in phone mode, you will hear a single high tone when the maximum or minimum volume level is reached. (You will not hear these tones while adjusting music volume.)

# MAKING AND RECEIVING CALLS

In addition to the volume buttons, the **Call** button is all you need to use O ROKR with your phone.

## USING O ROKR FOR CALLS

TURN O ROKR ON	Press and hold the <b>Call</b> button for 3 seconds.
ANSWER A CALL	Press the <b>Call</b> button briefly.
ADJUST VOLUME	Press the <b>Volume Up</b> button repeatedly to increase the volume. Press the <b>Volume Down</b> button repeatedly to decrease the volume.
MUTE THE MICROPHONE	Press and hold the <b>Volume Down</b> button for 1 second, until a medium pitch tone is heard. Repeat to release from mute.
END A CALL	Press the <b>Call</b> button briefly.
TURN O ROKR OFF	Press and hold the <b>Call</b> button for 3 seconds.

Note that if communication between O ROKR and your phone is interrupted (such as when you move O ROKR out of range), O ROKR will attempt to reestablish the link.

Additional functions depend on what Bluetooth profile your mobile phone supports. O ROKR supports both the Bluetooth Headset and Handsfree profiles. The tables below give instructions for each profile. When using the tables, please note the following:

- O ROKR must be turned on for the functions to work.
- If your phone supports the “dial by voice” feature, the phone must be turned on (in idle mode) for the feature to work. (Note: Some phones do not support “dial by voice” over a headset.)
- Some phones do not support all the features listed. Please consult the user’s guide that came with your phone. Features like Three-way Calling may require additional services from your phone service provider.



## HANDSFREE PROFILE

REJECT A CALL	Press and hold the <b>Call</b> button for 2 seconds.
DIAL BY VOICE	Press the <b>Call</b> button briefly then speak the name or command.
REDIAL A NUMBER	Press and hold the <b>Call</b> button for 2 seconds.
PUT A CALL ON HOLD	Press and hold the <b>Call</b> button for 2 seconds.
ANSWER 2ND INCOMING CALL (AND PUT CURRENT CALL ON HOLD)	Press and hold the <b>Call</b> button for 2 seconds.
TRANSFER CALL FROM PHONE TO O ROKR	Press the <b>Call</b> button briefly.


## HEADSET PROFILE

SEND A NUMBER DIALED ON THE PHONE	Press the <b>Call</b> button briefly.
DIAL BY VOICE	Press the <b>Call</b> button briefly then speak the name or command.
REDIAL A NUMBER	Press and hold the <b>Call</b> button for 2 seconds.
TRANSFER CALL FROM PHONE TO O ROKR	Press and hold the <b>Call</b> button for 2 seconds.












# CONTROLLING MUSIC

Use O ROKR to wirelessly control music from your Bluetooth music-streaming phone or music player. If a call comes in while music is playing, just press the Call  button on O ROKR to pause the music and take the call. After the call is finished, press the Call  button again to go back to where you left off in the music.

## Note the following:

- If you don't hear music, be sure your music-streaming phone or music player is on; be sure it is properly paired with O ROKR (see the section on pairing); and be sure the Bluetooth function on your phone or music player is activated. Also try increasing the volume level on O ROKR.
- Whenever you want to make a call, simply press the Call  button.
- When O ROKR is in use for a call, its music control buttons are deactivated.
- Some music players do not support the feature that pauses the music when a call is received. For those players, O ROKR will mute the music during a call.

## USING O ROKR FOR MUSIC

TURN O ROKR ON	Press and hold the <b>Call</b>  button for 4 seconds.
PLAY MUSIC	Press the <b>Play / Pause</b>  button briefly.
STOP MUSIC	Press and hold the <b>Play / Pause</b>  button for 1 second.
PAUSE / RESUME PLAYING	Press the <b>Play / Pause</b>  button briefly.
ADJUST VOLUME	Press the <b>Volume Up</b>  button repeatedly to increase the volume. Press the <b>Volume Down</b>  button repeatedly to decrease the volume.
SKIP TO NEXT SONG	Press the <b>Fast Forward / Next Song</b>  button briefly.
FAST FORWARD WITHIN A SONG	Press and hold the <b>Fast Forward / Next Song</b>  button.
PLAY PREVIOUS SONG	Press the <b>Fast Backward / Previous Song</b>  button briefly.
FAST BACKWARD WITHIN A SONG	Press and hold the <b>Fast Backward / Previous Song</b>  button.
TURN O ROKR OFF	Press and hold the <b>Call</b>  button for 3 seconds.



# INDICATOR LIGHT

The indicator light on O ROKR provides the following information:

DURING PAIRING	The light is solid red. It flashes green ten times when pairing is successful.
DURING CHARGING	Solid green = fully charged Solid amber = 99% to 50% charged Solid red = 49% to 0% charged
WHILE WIRELESSLY CONNECTED TO A DEVICE	The light flashes every 3 seconds: Green indicates 100% to 67% charge remaining. Amber indicates 66% to 34% charge remaining. Red indicates 33% to 0% charge remaining.
WHILE NOT CONNECTED TO A DEVICE	The light flashes twice in red every 4 seconds.
WHILE POWERING UP	The light flashes red > amber > green > green.
WHILE POWERING DOWN	The light flashes green > amber > red > red.

## Note the following:

- Bluetooth Sniff Mode technology ensures that power usage is minimized.
- The only time O ROKR does not use power is when it is completely turned off. However, even when not used, the internal rechargeable battery gradually loses power over time and requires recharging.

# AUDIBLE INDICATORS

Sound tones provide the following information:

DUAL HIGH/LOW TONE EVERY 60 SECONDS	Low battery.
NO AUDIBLE TONES; DETERIORATING AUDIO QUALITY; SKIPPING MUSIC	Out of range. (Move O ROKR closer to your phone or Bluetooth enabled audio device.)
SINGLE HIGH TONE DURING VOLUME ADJUSTMENT	Maximum or minimum volume level has been reached. Phone mode only.
RING TONE	Incoming call.
SINGLE HIGH TONE	Pairing is confirmed.
SINGLE LOW TONE	Initiate voice activation. (Speak the name of the person you want to dial.)
DUAL HIGH/LOW TONE	Voice tag not recognized. (The name of the person you want to dial was not recognized.)
SINGLE MEDIUM TONE EVERY 20 SECONDS	Microphone is muted.
FOUR TONES, LOW TO HIGH	O ROKR is turned off.
FOUR TONES, HIGH TO LOW	O ROKR is turned on.

# OAKLEY FRAME AND LENS TECHNOLOGY

## You're now wearing the best eye protection on earth.

Only Oakley utilizes pure Plutonite® lens material, a proprietary synthetic that exceeds the optical requirements of ANSI Z87.1 standards while inherently blocking 100% of all UVA, UVB, UVC and harmful blue light. Oakley performance eyewear also takes advantage of patented XYZ Optics®, a breakthrough that maintains precise clarity at all angles of vision and extends the range of optical correction to the periphery of dual-spherical eyewear lenses and single-lens sports shields.

All Oakley sunglasses satisfy ANSI Z80.3 & EN 1836 standards for optical and mechanical performance and are in accordance with the EC Directive 89/686/EEC for the I.P.D. of category I corresponding to the European Community. Light transmission ranges from 10% to 39% of available light. All transmission profiles are based on data obtained according to ANSI Z80.3 and EN 1836 test protocols.

LENS TINT TRANSMISSION PROFILES	
<b>Grey:</b> protection index 2	<b>18%</b>
<b>Bronze Iridium:</b> protection index 2	<b>22%</b>
<b>Black Iridium:</b> protection index 3	<b>10%</b>

The sunglass lens type is printed on the package. The corresponding protection index can be found in the Lens Tint Transmission Profiles chart above.

Protection Index (in compliance with the standard EN 1836)

**Index 0:** Aesthetic, very low protection

**Index 1:** For weak sun luminosity

**Index 2:** For average sun luminosity

**Index 3:** For strong sun luminosity

## CLEANING

### How to keep the best at their best

All Oakley Lenses: To help maintain the High Definition Optics® (HDO®) of Oakley lenses, your new eyewear comes with a specially-woven electrostatic Microclear™ bag for cleaning and storage. Using it will preserve the superior optical quality of Oakley's pure Plutonite lenses. Hand wash and air-dry the Microclear bag regularly. Iridium® Lenses: Oakley Iridium lens coating is engineered to reduce glare and improve contrast. An array of available tints allows the wearer to balance light transmission in any light condition. The 12-micron jacket of Iridium must be treated with special care to avoid scratching. Never use cleaning solutions. Use only mild soap and water, and dry by gently blotting with the Microclear bag provided.

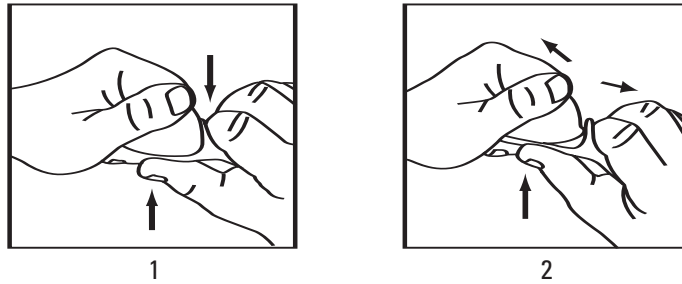
When cleaning O ROKR, please note the following:

- O ROKR is not waterproof. Moisture may damage the electronic circuitry. Do not rinse or immerse any part of the frame. Keep the frame dry at all times.
- Before cleaning, make sure O ROKR is unplugged from the wall charger.
- Do not clean the lenses with soaps, detergents, ammonia, alkaline cleaners, abrasive cleaning compounds or solvents. These substances may damage the lens coatings or leak into the module and damage the electronic circuitry.
- Should a lens become scratched, have it replaced immediately to ensure your vision is not compromised.

# CHANGING THE LENSES

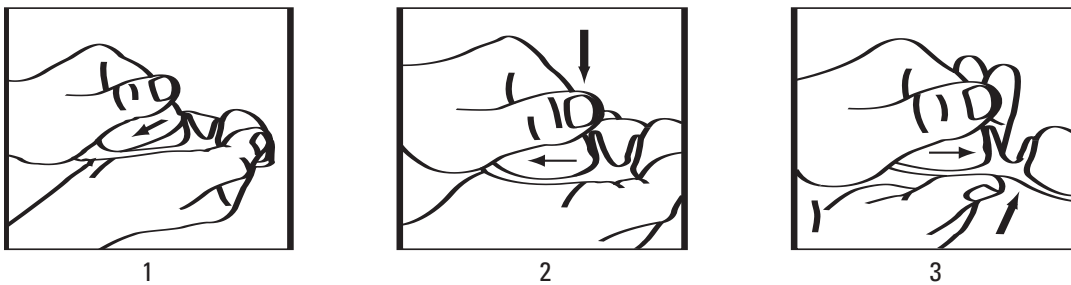
The lenses of O ROKR can be easily changed. The instructions below show you how to remove the current lenses and install a different set. **WARNING:** Follow these instructions carefully. Failure to do so may adversely affect optical performance. Improperly installed lenses may fail to stay in place, causing interference with your vision.

## To remove the lenses:



1. Hold the frame upside down as shown in Figure 1. Grip the lens with one hand. Grip the frame with your other hand by placing your index finger on the nose bridge and your thumb beneath the frame rim.
2. Gently flex the frame by applying upward pressure with your thumb and outward pressure with your index finger. (See Figure 2.) Pull the lens out of the groove.

## To install new lenses:



1. Hold the frame upside down as shown in Figure 1. Slide the lens into place so the outer edge tab fits into the frame slot.
2. Rotate the lens into the frame groove until the inner edge tab slides gently into the frame slot.
3. Hold the lens firmly. With your other hand, slide your thumb along the frame edge until the inner lens tab snaps firmly into place.

# SAFETY AND GENERAL INFORMATION

## IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR DEVICE.

O ROKR complies with part 15 of the FCC Rules. Operation is subject to the following 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. See 47 CFR sec 15.19 (3).

## USE AT YOUR OWN RISK

### AVOID DISTRACTION

Using headsets while operating a motor vehicle, motorcycle or bicycle is dangerous, and is illegal in some states. Check your local laws. Use caution while using your O ROKR when engaging in ANY activity that requires your full attention. While engaging in such activity, remove all of speakers from your ears or turning off the sound will keep you from being distracted, so as to avoid accident or injury. Avoid placing or receiving calls while driving an automobile, motorcycle, equipment or any other motorized mode of transportation to reduce the risk of accident or injury.

### AVOID HEARING DAMAGE

Using the headset at high volume may result in permanent hearing loss. If you experience ringing in your ear, reduce the volume or discontinue using O ROKR. With continued use at high volume, your ear may become accustomed to the sound level, which may result in permanent damage to your hearing. Keep O ROKR volume at a safe level.

### EYEWEAR USE

This eyewear is not designed to protect the wearer from all injury in the event of impact with hard objects or if the lens or lenses are not properly secured in the frame. It is not recommended to use tinted lenses for night driving, or direct viewing of the sun or strong artificial light sources. Sunglasses are not recommended for industrial protection.

### AVOID MOISTURE

Using O ROKR in or near water or other liquids, or in wet locations, may cause electric shock and serious injury. The device is not waterproof, so follow these safeguards:

- Do not use O ROKR while swimming or bathing.
- Do not wear O ROKR in the rain.
- Do not wear O ROKR during prolonged periods of perspiration.
- If any food or liquid is spilled on O ROKR or its power adapter, unplug the charging cable from O ROKR and unplug the power adapter from the electrical outlet before drying.

### LOCATION OF USE

O ROKR is NOT to be used in the vicinity of any explosive or hazardous substances, as it may become volatile and cause serious injury or death. See "Electromagnetic Interference" below for restrictions on using O ROKR in medical facilities and aboard aircraft.

## SAFETY INFORMATION: WIRELESS DEVICES

### ELECTROMAGNETIC INTERFERENCE

#### RF ENERGY WARNING

To avoid electromagnetic interference and/or compatibility conflicts, turn off your device in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external radio frequency (RF) energy emitted by your device.

#### AIRCRAFT

While aboard aircraft, turn off your device when instructed to do so. Any use of the device must be in accordance with applicable regulations per airline crew instructions.

#### MEDICAL DEVICES

**Hearing Aids:** Some devices may interfere with some hearing aids. In the event of such interference, you may want to consult with your hearing aid manufacturer to discuss alternatives.

**Other Medical Devices:** 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 physician may be able to assist you in obtaining this information.

#### ELECTRONIC SYSTEMS

Do not expose O ROKR to strong magnetic fields such as those that surround stereo speakers and TV picture tubes, in your car or home, without first checking with the manufacturer of those items.

## **PROPER CARE OF YOUR O ROKR**

### **DO NOT MODIFY OR DISMANTLE**

Do not attempt to open O ROKR. Doing so may expose you to electric shock and serious injury. There are no user-serviceable parts inside. Any attempt to alter or repair the unit will void the limited warranty. Users are not permitted to make changes or modify the device in any way. Changes and modifications void the user's authority to operate the device. See 47 CFR Sec. 15.21.

### **BATTERY**

Do not attempt to remove the internal rechargeable battery. Disposal of devices that contain internal rechargeable batteries must be in accordance with local environmental regulations.

### **TEMPERATURE**

- Do not store or use O ROKR in temperatures lower than -10°C / -4°F or higher than 50°C / 122°F.
- Do not recharge O ROKR in temperatures lower than 0°C / 32°F or higher than 40°C / 104°F.
- Conditions inside a parked car can exceed this temperature range. Do not store O ROKR in a parked car.
- Do not store O ROKR in direct sunlight.
- Storing O ROKR fully charged in high temperature conditions may permanently reduce the life of the internal battery.
- Battery life may temporarily shorten in low-temperature conditions.

### **SHOCKWAVE**

Do not expose O ROKR to excessive force or impact. Be careful not to drop O ROKR.

### **CHARGER**

Do not force the charging cable connector into the module port. If the connector won't go into the port, try flipping the connector 180 degrees. Do not attempt to charge O ROKR with any charger other than the one designed by Oakley specifically to be used with this product.

# SPECIFICATIONS

Bluetooth Specifications	BT 2.0, backward compatible with 1.2
Bluetooth Profiles	Handsfree, Headset, A2DP, AVRCP
Speaker Positioning	Fully articulated for adaptable fit
Music Frequency Response	20 Hz – 20,000 Hz
Telephony Frequency Response	300 Hz – 3,000 Hz
Battery Life When Fully Charged	5 hours*
Battery Type	Integrated rechargeable Li-Ion Polymer
Standby Time	Over 100 hours
Charging Time	Fast charge (80% capacity) in 1.5 hours; full charge in 3.0 hours
Connectivity	Built-in port for USB (Mini-B) cable connection
Radio Frequency	2.4 GHz, GFSK
Weight	52 grams
Included Software	None required
Included Accessories	Wall adapter for local region, User Guide CD, Quick Start Guide
Optional Accessories	World Wall Charger, Oakley Car Charger, USB Cable, Soft Vault, Soft Box
Warranty	Warranted by Motorola for 1 year
Operation/storage environment	-10°C to 50°C (-4°F to 122°F); 5% to 90% relative humidity
Charging environment	0°C to 40°C (32°F to 104°F)

\*Battery life depends on numerous factors including volume level and environmental temperature.

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Bluetooth is a registered trademark of Bluetooth SIG, Inc. in the U.S. and other countries.  
The Bluetooth trademarks are owned by their proprietor and used by Motorola under license.

U.S. Patent Nos. 5648832, 5689323, 5969789, 6010218, 6168271 B1  
U.S. and International Patents Pending  
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