

USER GUIDE

R-6 GLASSES



ODG 

R-6 GLASSES

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DEVELOPER SUPPORT

SDK documentation, guides, user forums, and software downloads can be accessed through the ReticleOS Developer Center:

developer.osterhoutgroup.com

To request a Developer account, please send an email to developer@osterhoutgroup.com.

Safety & Care

Your ODG R-6 device has been designed and manufactured to stringent quality and safety standards. You should, however, be aware of the following important precautions for safe use of the glasses and accessories.



This device contains lithium ion batteries, which can explode or cause burns if disassembled or exposed to fire or high heat. Batteries must be disposed and recycled safely and properly.



Warning: This device contains powerful magnets and should be kept a distance from persons with any metallic, electronic, or magnetic device implants in the body.



Read all of these instructions carefully.



Keep these instructions for future reference.



Heed all warnings.



Clean only with dry cloth.



Only use attachments/accessories specified by ODG.



Do not store glasses near any heat sources such as radiators, registers, stoves, amplifiers or other items that produce heat.

Table of Contents

| | |
|----------------------------------|-----|
| Quick Start..... | 5 |
| Included in the Kit | 6-7 |
| Main Components | 8-9 |
| Using the Track Pad..... | 10 |
| Charging..... | 11 |
| Earbuds | 12 |
| Head Strap | 12 |
| Wireless Finger Controller | 13 |
| Launching Applications | 14 |
| Control Panel | 15 |
| System Menu..... | 15 |
| Nose Bridge | 16 |
| Storing the Glasses..... | 17 |
| Parts & Accessories..... | 18 |

Quick Start

1 Unpack Glasses

- Remove the glasses from the compact storage case.
- Unfold the ear horn. *See Page 18*

2 Attach Accessories

- If audio is desired, attach Ear Buds. *See Page 12*
- Attach Head Strap if needed. *See Page 12*

3 Adjust Fit

- Adjust Nose Bridge height and/or swap nose pads if needed for optimum comfort and display viewing angle. *See Page 17*

4 Power Up

- Press and release the Power button to turn on the glasses. Within 30 seconds a startup screen should appear and then the Home Screen. If there is insufficient power to boot the device, see *Charging*, *Page 11*.
- Power up the Wireless Finger Controller by inserting it's battery and then pressing the two small round buttons at the same time. *See Page 13*
- Power up the Wireless Keyboard by turning the power switch on. *See Page 14*

5 Launch Applications

- When the system powers on, the Home Screen will appear with a row of icons mid-screen. Swipe left or right on the Track Pad to highlight an application, and then press the Track Pad to launch it. *See Page 15*

Included in the Kit

R-6 GLASSES



PROTECTIVE CASE



(2) EAR BUDS



WIRELESS
FINGER
CONTROLLER



WIRELESS
FINGER
CONTROLLER
BATTERY



WIRELESS
FINGER
CONTROLLER
USB CHARGER



USB
POWER
ADAPTOR



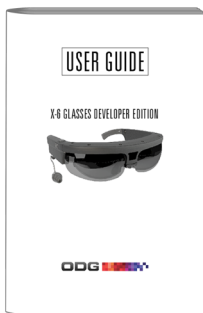
MAGNETIC USB
DATA & POWER CABLE



HEAD STRAP



MICROFIBER LENS CLEANING CLOTH



USER GUIDE

Main Controls

Track Pad

| | |
|--------------------|--------------------------|
| Finger Swipe | Controls cursor/selector |
| Press down | Click/select |

Power Button

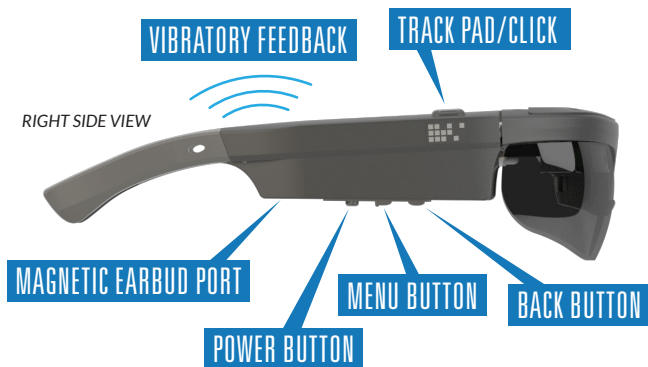
| | |
|-------------------------------|---------------------------|
| Short Press, Device Off | Powers up device |
| Short Press, Device On | Puts displays to sleep |
| 2-3 Second Press | Displays Shutdown menu |
| 10 Second press | Forces shutdown of system |

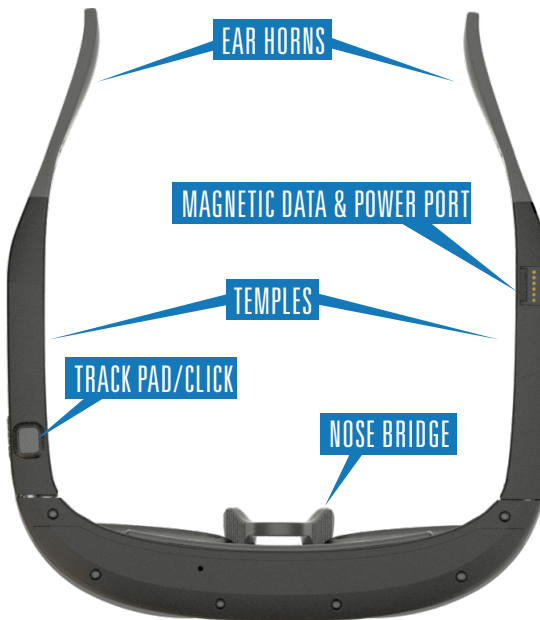
Back Button

| | |
|--------------------------------|-------------------------------|
| Short Press | Navigates to previous screen |
| Long Press | Navigates to Home Screen |
| Short Press, Home Screen | Displays or Hides Home Screen |

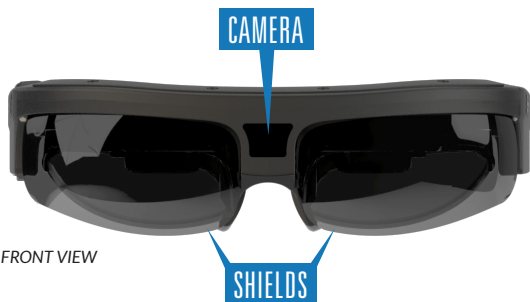
Menu Button

| | |
|--------------------------------|-------------------------------|
| Short Press | Navigates to previous screen |
| Long Press | Navigates to Home Screen |
| Short Press, Home Screen | Displays or Hides Home Screen |

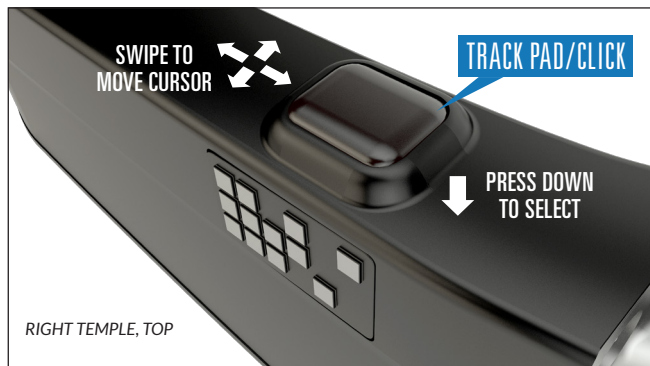




TOP VIEW



FRONT VIEW

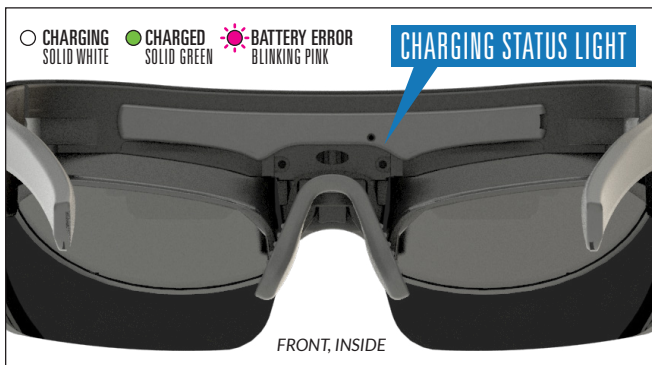
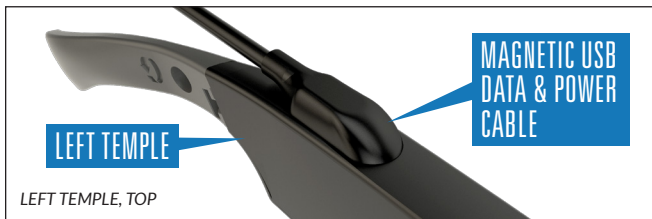


Using the Track Pad

The track pads located on top of the right temple of the glasses as well as the Wireless Finger Controller are optical devices. They function equally with gloveless and gloved fingers.

Track Pad:

Finger Swipe.....Controls cursor/selector
 Press down.....Click/select



Charging

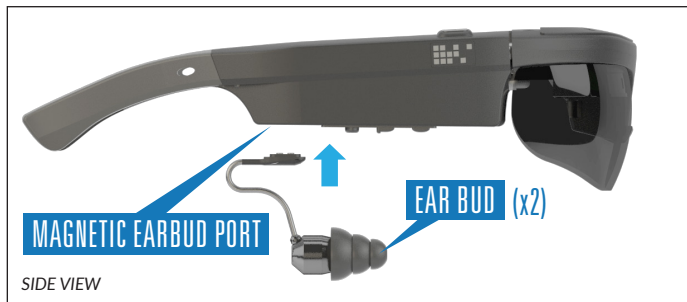
To charge the glasses, attach the Magnetic USB Data & Power Cable to the charging port on top of the left temple and plug the cable into the supplied power supply.

A charging status light located on the inside front of the glasses illuminates when the charging cable is plugged in.

Solid White illumination indicates charging is underway.

Solid Green indicates a full charge.

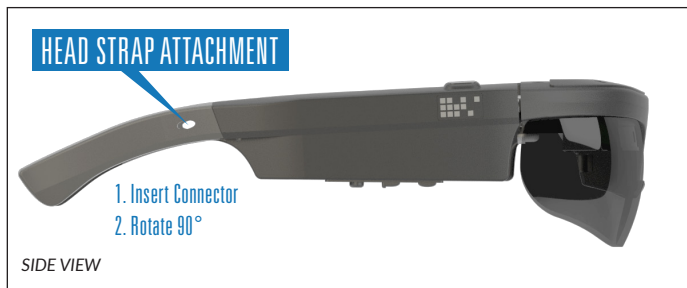
Blinking Pink indicates an error with one of the batteries. If an error is indicated contact ODG for servicing. Do not attempt to access the batteries or disassemble the device.



Earbuds

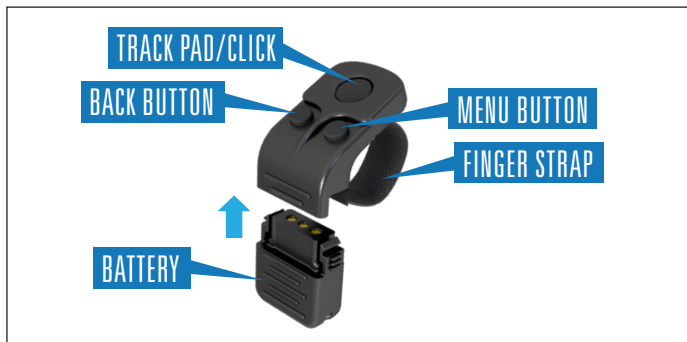
To listen to audio, attach each of the supplied earbuds into the magnetic earbud ports located on the bottom of each temple.

To adjust the volume, press and release the Menu button to display the Volume settings in the Control Panel.



Head Strap

The included Head Strap may be attached to secure the glasses to the wearer's head. To attach the strap, press the strap connectors into the oval hole in the Ear Horns, then rotate them 90°.



Wireless Finger Controller

The Wireless Finger Controller is an input device for the system that is worn on the user's index finger and controlled with their thumb. The Track Pad, Menu and Back buttons function in the same manner as the device's buttons. (See *Main Components*, Page 8)

To power up the controller, insert the battery and press and hold the Back and Menu buttons simultaneously until the status light flashes green.

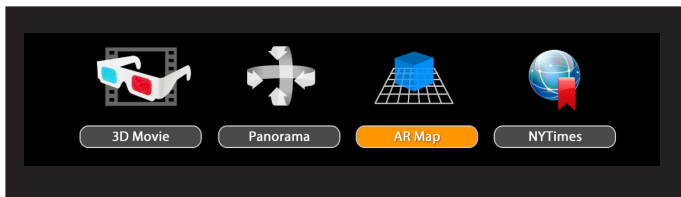
If the controller does not connect to the glasses the battery may not be charged or the Bluetooth pairing may be lost.

Bluetooth Pairing

To enter pairing mode on the controller, press the Back, Menu and Track Pad simultaneously until the status light blinks blue. On the glasses, press and hold the Menu button to display the System Menu (See Page 16) and select Settings. Under the Bluetooth settings, select the controller from the list of available devices.

Charging

Included in the kit is a charger for the Wireless Finger Controller battery. Disconnect the battery from the controller and insert the battery into the charger. The battery should be fully charged in 3 hours.

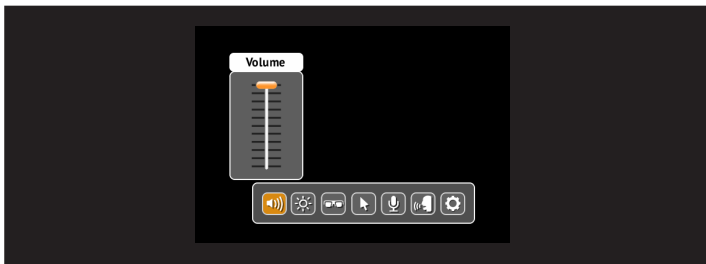


Launching Applications

When the system powers on, the Home Screen will appear with a row of icons mid-screen. Swiping a finger left or right across the track pad will select an application. Then press the Track Pad to launch the selection. Pressing and holding the Back button at any time will navigate the user to the Home Screen.

To view all available applications on the system, select the “Show All Applications” icon. While viewing all applications, an indicator shows which icons are on the Home Screen. Select “Back to Home Screen” to switch back to the Home Screen.

To manage the icons, press and hold the Track Pad to display a menu of options such as Add or Remove from Home . Press and release the Back button to exit this menu.



Control Panel

The Control Panel provides quick access to frequently used settings. Controls include Volume, Brightness, Display Mode, Input Mode and Voice Control.

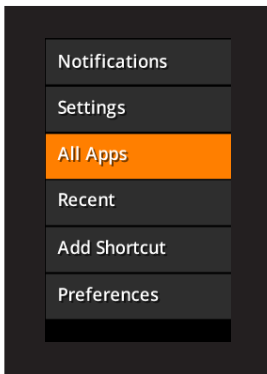
To access the Control Panel, press and release the Menu button. Swipe left or right to highlight a setting, then press and release the Track Pad to display a popup menu of options. Swipe up and down to select the desired setting. Press and release the Back button to exit the Control Panel.

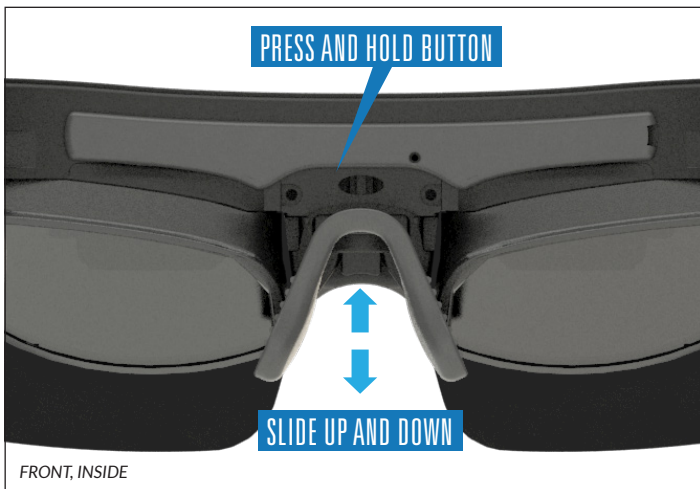
System Menu

The System Menu contains all available settings and controls for the system and/or applications.

To access, press and hold the Menu button. The menu options will vary based on the current application.

Press and release the Back button to exit the System Menu.





Nose Bridge

To provide comfort for the wearer as well as to adjust the glasses fit for optimum viewing of the displays, the nose bridge may be adjusted up and down to three positions.

To adjust the height of the nose bridge, press and hold the indicated button and slide the nose bridge up or down.

Three sizes of nose pads are also included to provide additional adjustment of fit for a variety of faces. To remove the nose pads, carefully stretch them off the nose bridge clips. To install nose pads, carefully stretch them over the nose bridge clips.

Note: After any adjustment gently wipe the camera lens off with the supplied Microfiber Cleaning Cloth.



Storing the Glasses

To store the glasses in the compact case, one of the ear horns must be folded in. Holding the temple, pull slightly on one of the ear horns to release it, then carefully rotate until it clicks into the folded position. Fold this ear horn down first, then fold the other (un-rotated) ear horn, then place the glasses into the compact case.

Reverse these steps when removing the glasses from storage.



Replacement Parts & Accessories

Magnetic USB Cable

Earbuds

Nose Pads

Ear Horns

Front Shields

Corrective Lenses

Compact Storage Case

Wireless Finger Controller

USB Power Adapter

For pricing and ordering information on parts and available accessories for the X6 system please email ODG at **info@osterhoutgroup.com**.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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.

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