

Real D 5335 Sterling Dr., Boulder, CO 80301
 P: (800) 783-2660 F: (303)448-9573

Visit us at: www.reald.com
 Email: sales@reald.com

INSTALLATION & SET UP

CrystalEyes 5 (CE5) are designed to be worn with or without prescription eyewear with no adjustment needed. CrystalEyes 5 are designed to be emitter free and work with 3D enabled DLP® televisions and DLP® Link front projectors.

Optional add-on Nosepiece

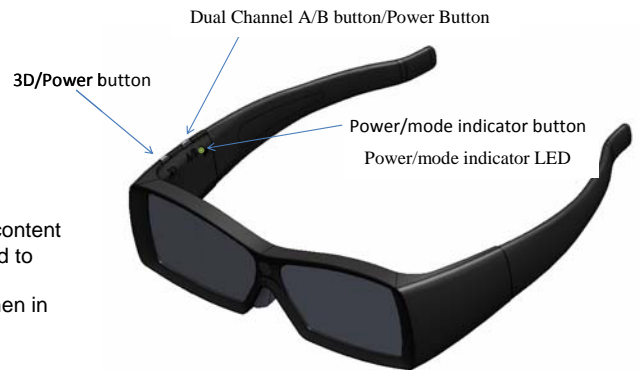
The optional nosepiece has been designed to give a better fit for people with smaller noses or who wear prescription eyeglasses and where the CrystalEyes do not rest comfortably on the nose bridge. Each nosepiece snaps in and out with ease. The inserted orientation is shown below.

To turn on the eyewear in 3D mode

- Display should be in 3D mode & displaying 3D content
- Toggle the 3D/power button.
 - The mode indicator will flash one time every 5 seconds when in 3D mode.
- *Please note: Only use the 3D glasses function with 3D content.*

To turn on the eyewear in Dual channel

- Display should be in 3D Dual view mode & displaying dual view content
- Toggle the Dual channel button, the eyewear will be synchronized to channel A.
 - The mode indicator will flash twice every 5 seconds when in Dual channel "A" mode.
- To get to channel B
 - Toggle the Dual channel button once while in channel A.
 - The mode indicator will flash three times every 5 seconds when in Dual channel "B" mode.



Battery Indicator

CrystalEyes 5 are rechargeable and last up to 24 hours of continuous use. The color of the flashing power/mode indicator LED indicates the battery life remaining.

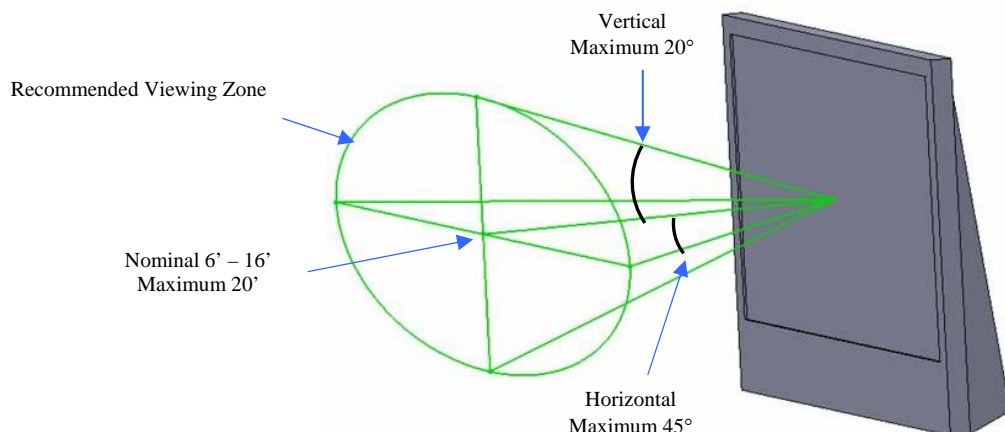
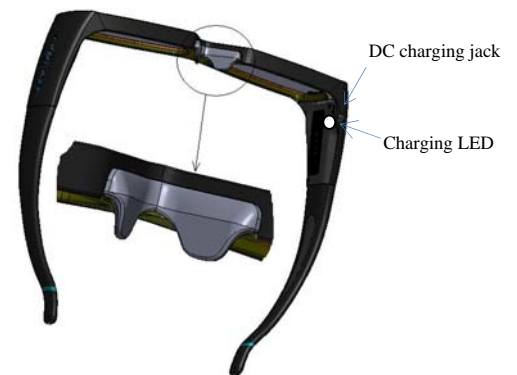
Indicator light: green: at least 2 hours of battery – OK
 yellow: 1-2 hours of battery
 red: less than one hour remaining

To power the eyewear off

- Hold either button down for 2 seconds
- The glasses will also turn off automatically if not pointed at the TV for 5 minutes.

To charge the Battery

- Only charge the internal battery with the provided USB cable and standard computer 5v USB port
- USB jack into the DC charging jack on the bottom of the eyewear.
- Glasses typically fully charge in 3 hours.
- Charging LED will illuminate when charging and will stay on if fully charged.



RealD products are covered under U.S. Patent No. 4,967,268, 5,117,302, 5,181,133, 5,463,428, 6,388,797 and other U.S. and foreign patents, issued and pending.

MAINTENANCE

As with any eyewear, take care to prevent scratching the lenses and protect the electronic circuits within the eyewear from damage by excessive moisture or immersion in liquids. Never expose eyewear to temperatures below -20° C or above 80° C.

Cleaning

CrystalEyes lenses have hard-coated plastic surfaces and if cared for properly will remain in good condition for many years. Using a soft chamois cloth or lens tissue intended for plastic lenses, gently wipe the lens surface.

Warning: Do not immerse the eyewear in water or liquid. Avoid spraying cleaner directly onto your eyewear. The use of excess moisture can destroy the electronic circuits within the eyewear and may invalidate your warranty. Never use acetone to clean lenses.

FCC COMPLIANCE

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. The equipment has been tested and found to comply within the limits for a Class B computing device in accordance with the specifications in Subpart B of Section 15 of the FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference to radio or television reception, which can be determined by turning the equipment on and off, will not occur.

ROHS COMPLIANCE

CrystalEyes 5 are ROHS compliant.

WARRANTY INFORMATION

ONE YEAR WARRANTY

Real D Corporation ("Real D") warrants this product against defects in material or workmanship for one year, from the date of purchase by the original end user. During that year, Real D will repair or replace, at its option, any products purchased through Real D or its resellers that are found by Real D to be defective in proper usage. Real D, at its option, may repair or replace the defective product with refurbished product. This limited warranty does not cover damages due to misuse, abuse, abnormal or unusually heavy use, neglect, alteration, improper installation, unauthorized repair or modification, improper testing, accident or causes external to the product such as but not limited to excessive heat or humidity, power failure, or surges. This warranty cannot be transferred or assigned to any other individual or organization.

To obtain limited warranty service, contact Real D by email at rma@reald.com with the: product model, serial number, and description of the problem. A Return Material Authorization (RMA) number will be issued along with the necessary forms & instructions for return. You must deliver the product freight prepaid to Real D's repair facility. Product should be packed in its original packaging or equivalent to prevent damage. Real D is not responsible for any package returned without an RMA number clearly displayed on the outside of the package. Real D can also be reached at (800)783-2660 (in USA) or (303)545-5483 (outside USA).

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND OF ANY OTHER OBLIGATION ON THE PART OF REAL D SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. IN NO EVENT WILL REAL D BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF REAL D HAS BEEN ADVISED TO THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY, FROM STATE TO STATE.

TROUBLESHOOTING & TECHNICAL SUPPORT

Symptoms	Possible Problems	Solution
3D Content appears as 2D	Glasses are set to dual view mode	Toggle the 3D button
Eyewear won't turn on	<ul style="list-style-type: none">➤ Battery is exhausted➤ Display you are watching is not set to 3D mode	<ul style="list-style-type: none">➤ Recharge battery➤ Change mode of display to 3D/Dual channel mode
Each eye has a different program	Glasses are in 3D mode and display is showing dual channel content	Switch glasses to dual channel mode
3D image is inverted (3D does not look correct)	3D mode is out of phase (right/left eye data is inverted)	Reverse phase of 3D mode of display (See display instructions)
Eyewear loose sync with TV or flicker	Outside of recommended viewing zone	Move closer and / or more head on to emitter
Eyewear battery indicator does not illuminate	Battery is exhausted	Recharge battery

For additional technical support & troubleshooting, please visit Real D's web site at www.reald.com send an e-mail to rma@reald.com or call (800)783-2660 (within USA) or (303)545-5843 (all other areas).

For additional product, sales or reseller information on CE5 and other products from Real D, customers can call (800)783-2660 (within USA) or (303)545-5843 (all other areas), visit Real D's web site at www.reald-corporate.com/scientific, send an e-mail to stereographics-sales@reald.com.