BC6000 Eyewear: Product Features and Specification Version 2.0

1. Introduction – BC6000 Eyewear

BC6000 Eyewear is part of BC6110 system consists of combination of BC100 3D Emitter, BC10 IR sensor (Used only if 3D TV does not provide 3D Glasses Emitter/3D SYNC Out Port), and BC6000 LCD shutter glasses. The BC100 3D Emitter (transmitter) connects a 3D-Ready TV to the BC6000 LCD Shutter Glasses for the ultimate in 3D stereoscopic viewing. BC10 IR sensor allows BC6110 system to be compatible with multiple 3D displays. BC10 will pick up the IR sync signal from the 3D TVs and provides this signal to the BC100 3D Emitter.

BC6000 Glasses : Item ID = 101150-01

Component ID	Description	QTY
101101-00	Glasses- RF std active 3D shutter glasses RF	1
101102-00	Transmitter, RF std for active 3D glasses	0
101103-00	Sensor, IR std for RF active 3D glasses	0
101104-00	Cable, 3 ft micro USB cable for 3D glasses or for transmitter power	1
101105-00	Cable, 3 ft Vesa to TRRS cable for 3D glasses	0
101101-99	White box for 3D Kits (For Glasses, Transmitters, cables)	1
101106-00	Quick Start Guide	1

2. Features

- 3D synchronization using Radio Frequency Technology
- Compatible with 3D Ready TVs equipped with a 3D Emitter Port
- IR sync learning capability for use with IR 3D sync based frame sequential 3D Ready TVs
- LED indicators assist with IR Sensor placement
- Management Software enables Upgrade functionality for compatibility with future 3D TVs
- Manual performance adjustment capability
- IR signal strength indicator mode.
- Manual performance tuning of Glasses mode.
    - Brightness (Ghosting) adjustment
    - TV sync timing adjustment
    - Left/Right polar
- Pairing of BC100 with BC6000 Glasses for multi-emitter environment.
- IR Signal Search and Learning mode.
- Restore Factory Defaults mode.
- Rechargeable lithium polymer battery
    - Simple micro USB port charging
    - 60 hours of continuous use per charge*
- Light weight comfortable design, 70 grams
- Power On/Off with LED confirmation
    - On with LED battery fuel gauge
    - Auto OFF

*** Battery time depends on many factors including signal quality.**

3. Specification

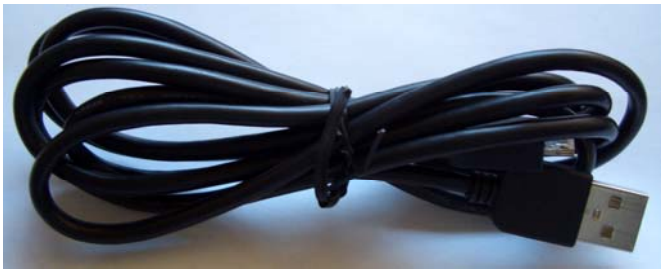
3D Glasses (BC6000 Eyewear)

- Lens type: Liquid Crystal Shutter type
- Frame rate: Multi-frequency 50/100, 60/120, 84 Hz operation, 240 Hz display ready
- Batteries Rechargeable, 60 hours of continuous use, 3.5 hours to full charge
- RF transmission range 150 ft (45.7 Meters)
- Temperature range 32 °F – 104 °F, (0 °C – 40 °C)
- Power supply DC 5 V (USB power adapter sold separately)
- Dimensions: Width: 2.1” (53 mm), Height: 6.3” (160 mm), Depth: 1.7” (44mm)
- Weight 0.15 lb (70 g**)**
- Micro B - USB cable 3 feet

4. Individual Component Photos

101101-00 - Glasses- RF std active 3D shutter glasses RF

101104-00 - Cable, 3 ft micro USB cable for 3D glasses or for transmitter power



101101-98 - Small white box for 3D shutter for glasses and USB cable only

5. BC6000 PCBA

See BC6000_Schematic.pdf file.

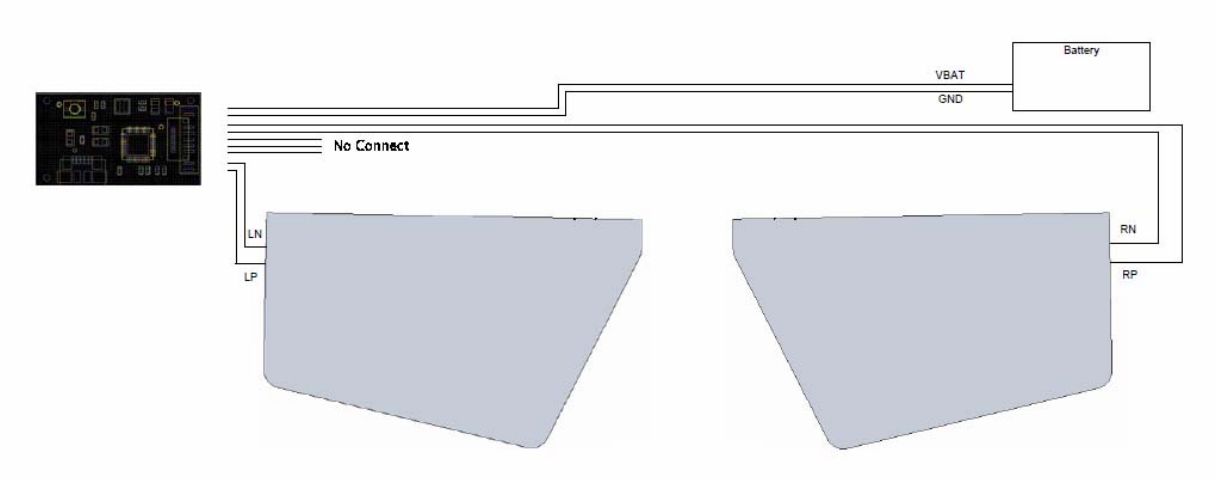
6. BC6000 Gerber files and pick and place

See files in folder BC6000_PCB\Artwork.

7. BC6000 PCBA Component List

See BC100_BOM.pdf file.

8. BC6000 Signal connections



7. BC6000 PCBA Component List

See files in BC6000\Frames. The locations of power button and LED must match the frame.

FCC information to the user

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 undesired operation.

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.

Caution: changes or modifications not expressly approved by the party responsible for compliance

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