

SONAR GLASSES INSTRUCTION MANUAL

INTENDED USE FOR SONAR GLASSES

Sonar Glasses improve mobility independence for blind and visually impaired people by helping them safely navigate around obstacles in their path of travel. A subtle vibration in the temple of the glasses alerts the user to potential hazards that are beyond the reach of a white cane. They are intended to be used in combination with a white cane or guide dog.

BATTERY

You should make sure that the battery is fully charged before using the glasses for the first time. To charge the battery, slide it gently into the provided battery charger from the rear, and press the battery securely in place. Make sure the battery contacts, which feel like small holes, are aligned with the prongs in the charger. On the opposite side of the charger, you will feel a recessed compartment containing a two-pronged electrical plug. Flip the electrical plug with your finger so that it is in position to be plugged into an AC power outlet, then plug the charger into the power outlet. Note: DO NOT remove the plastic film that is wrapped around the battery.

It takes about 2 hours to fully charge the battery. The LED on the charger will be red while the battery is charging, and will turn green when the battery is fully charged. After it is fully charged, remove the battery and unplug the charger. The battery operates for approximately 8 – 10 hours per charge.

TO INSERT THE BATTERY INTO THE GLASSES:

- 1. Locate the battery compartment on the left temple of the glasses and remove the cover by pulling on the attached lanyard.**
- 2. Slide the battery gently into the battery compartment from the rear, and press the battery securely in place. Make sure the battery contacts, which feel like small holes, are aligned with the prongs in the battery compartment.**
- 3. Wrap the battery ribbon around the battery, so that it rests on top of the battery.**
- 4. Slide the cover into the battery compartment from the rear and press it securely in place.**

TO REMOVE THE BATTERY FROM THE GLASSES:

- 1. Remove the battery compartment cover, which is located on the left temple of the glasses, by pulling on the attached lanyard.**
- 2. Pull on the ribbon attached to the battery to pop it out of the compartment.**

POWER

The power switch is located on the top edge of the left temple of the glasses. To turn the power ON, slide the switch forward. Make sure you are not blocking the sonar sensor, and wait until you hear the beep tone before using the glasses. To turn the power OFF, slide the switch back. BE SURE TO TURN OFF THE POWER WHEN THE GLASSES ARE NOT IN USE, SINCE THEY DO NOT AUTOMATICALLY TURN THEMSELVES OFF.

DETECTION OF OBSTACLES

Obstacles in the user's path of travel are detected if they are in the direction the user is facing, above the waist, below the top of the head, and within shoulder width. If desired, you can turn your head to the left or right to detect objects outside your path of travel.

Objects are detected by the sonar sensor, which is located in the center of the frame between the lenses. A low frequency vibration indicator will be activated in the right temple of the glasses when an object is detected within 6 or 9 feet of the user. When a detected object is within 3 feet, the indicator will vibrate more rapidly. G- Technology Group can customize the object detection range for the user, if desired.

ADJUSTABLE DETECTION RANGE

Sonar Glasses come with an adjustable detection range. You can adjust the detection range to 6 feet, 9 feet, or 3 feet. The default detection range for the glasses is 6 feet. The glasses will default to this setting whenever they are powered off.

TO ADJUST THE DETECTION RANGE

1. Move your finger along the side of the right temple until you feel a button in front of the slope in the frame.

2. Press the button and you will you hear beep tones indicating that the detection range has been changed. The detection range changes from the default setting of 6 feet in the following sequence:

- If the detection range is set to 6 feet, pressing the button changes the range from 6 feet to 9 feet. You hear 3 beeps.**

- If the detection range is set to 9 feet, pressing the button changes the range from 9 feet to 3 feet. You hear 1 beep.**

- If the detection range is set to 3 feet, pressing the button changes the range from 3 feet to 6 feet. You hear 2 beeps.**

MAINTENANCE

Sonar Glasses do not require scheduled maintenance. DO NOT USE WATER OR CLEANING SOLUTION TO CLEAN THE LENSES, FRAMES, OR SONAR SENSOR. Clean the lenses by wiping them with a lint free microfiber cloth. Clean the frames by wiping them with a damp cloth. Clean the sonar sensor with a microfiber cloth or paper towel.

TROUBLESHOOTING

If the glasses do not power on, insert a fully charged battery and make sure the sonar sensor is not blocked. Then turn the power ON and wait for the beep tone. You can test the glasses by placing your hand approximately 12 inches in front of the sonar sensor. You should feel a vibration in the right temple of the glasses. In case of continuous vibration, turn the power off and on again to reset the sonar sensor. Contact G-Technology Group for technical support.

WARRANTY

Sonar Glasses have a 1 year warranty and 30-day satisfaction guarantee. The warranty covers defects in manufacturing and workmanship. A protection plan for Sonar Glasses is also available. Sonar Glasses are made in the USA.

PACKAGE CONTENTS

The Sonar Glasses kit contains: 1 pair of glasses, 2 rechargeable lithium-ion batteries, 1 battery charger, and 1 pair of ear locks.

SAFETY GUIDELINES

SONAR GLASSES MUST BE USED IN CONJUNCTION WITH THE WHITE CANE OR GUIDE DOG. THE GLASSES ARE NOT INTENDED FOR USE IN THE RAIN. DO NOT ALLOW THE SONAR SENSOR TO GET WET. DO NOT USE THE GLASSES IN TEMPERATURES EXCEEDING 130°F OR 55°C. DO NOT ATTEMPT TO DISASSEMBLE THE GLASSES.

FOR TECHNICAL SUPPORT OR CUSTOMER SERVICE CONTACT:

**G-Technology Group
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Sterling VA, 20164**

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