EyeOn Air

Speech Generating Device

User Guide

Last Updated: May 2021

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Overview.

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Intended Use

The EyeOn Air is a speech generation device intended to provide an individual who has a severe speech impairment with the ability to meet their functional speaking needs. The primary purpose of the EyeOn Air device is to provide synthesized speech through use of speech generating hardware and software. This device is generally not useful to an individual in the absence of an illness or injury.

Methods of Use

The EyeOn Air device is intended for use in the home by individuals who have a severe speech impairment. The EyeOn Air device can be used on a flat table or desktop surface by utilizing the integrated kickstand. In addition, the EyeOn Air device can also be mounted to various wheelchair mounts using the VESA mounting pattern located on the back of the device.

Prohibited Use

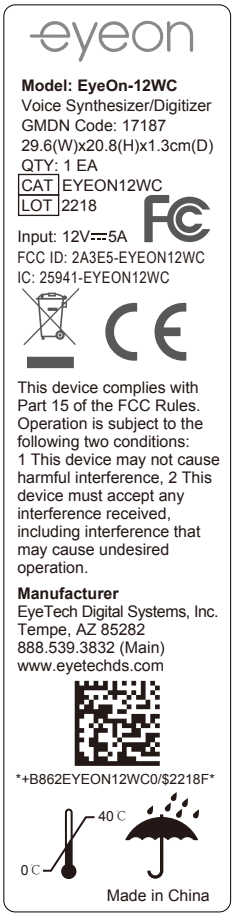
This device should not be used for clinical, therapeutic, or diagnostic purposes.

Service Life

The expected service life of the EyeOn Air device is five (5) years. The EyeOn Air device is intended for daily, repeated use.

Device Identification Label

The label containing the device serial number and manufacturer information can be found on the back of the EyeOn Air device.



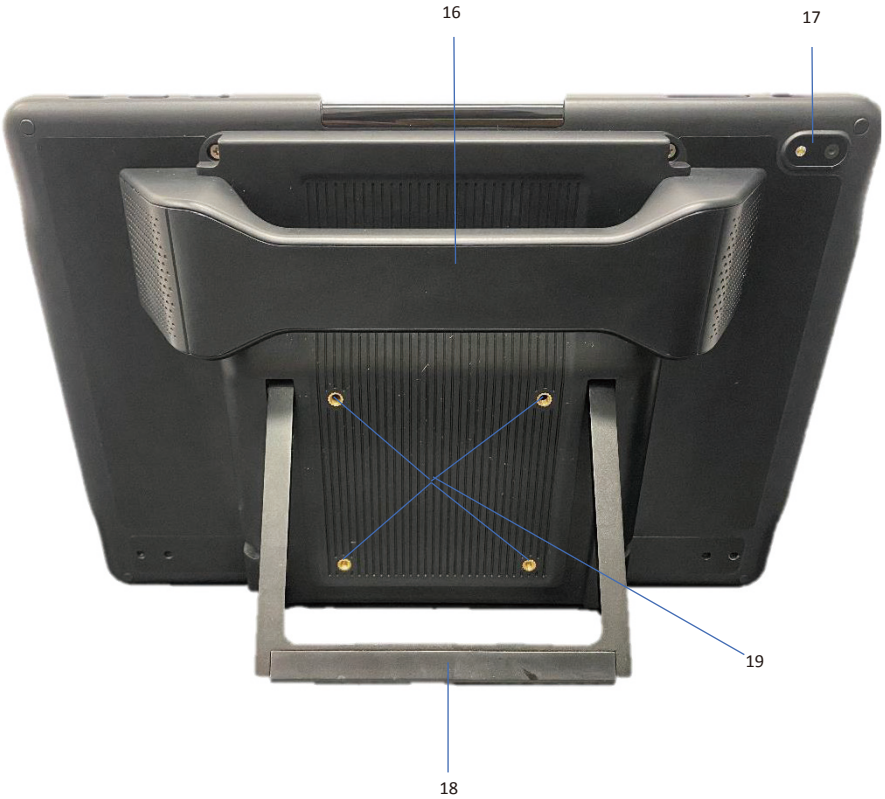
Technical Data.

Technical Data.

1	Secondary Speakers	6	Power Input	11	User Defined Button
2	Switch Port	7	Headphone Jack	12	Front Facing Camera
3	USB Port	8	Micro HDMI	13	IR Lights
4	Primary Speakers	9	Power Button	14	Eye Tracking Camera
5	SIM Card Slot	10	Volume Button	15	Touchscreen

Technical Data Continued.

Hardware Diagram | Back Vie



16	Carrying Handle
17	Rear Facing Camera
18	Kickstand
19	VESA Mounting Pattern

Technical Data Continued.

Safety

CAUTION

When mounting the EyeOn Air device to a wheelchair, ensure that the unit is securely fastened.

CAUTION

The EyeOn Air device uses a Li-ion battery. Do not dispose of the battery in the garbage when replacing. EyeTech uses a third party agent for battery disposal. Go to https://www.call2recycle.org/start-recycling/ and follow the directions listed there.

CAUTION

Avoid exposing the EyeOn Air device to areas of extreme temperature. For example, storing the device in the car during the summer may adversely affect the performance of the battery life.

CAUTION

Do not expose or submerge the EyeOn Air device in liquid substances.

Setup.

Setup.

What's in the Box?

Each EyeOn Air device is shipped with the following components:

Quantity	Description
1	EyeOn Air Tablet Device (Including Eye Tracking)
1	Speech Generating Software (installed)
1	Ruggedized Case
1	Universal Power Cord

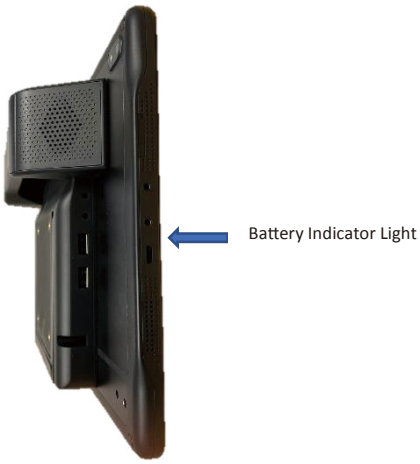
First Use

- Connect the supplied power adapter between the Power Input (6) on the EyeOn Air device and the power supply.

Left Side View

6 – Power Input

• The battery indicator light will appear orange while the EyeOn Air device is charging. After the EyeOn Air device is fully charged, the battery indicator light will appear green.



• Start the device by pressing the EyeOn Power Button (9) down for three seconds.

Device Operation.

Device Operation.

On/Off

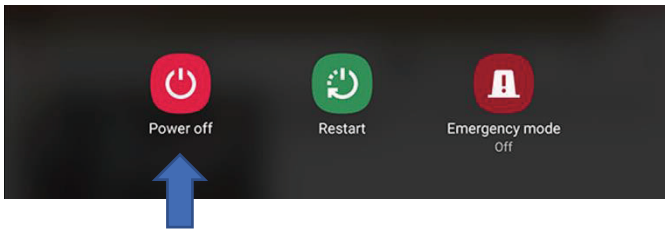
To turn on the EyeOn Air device:

- Press the EyeOn Power Button (9) for three seconds.

Top View

To turn off the EyeOn Air device:

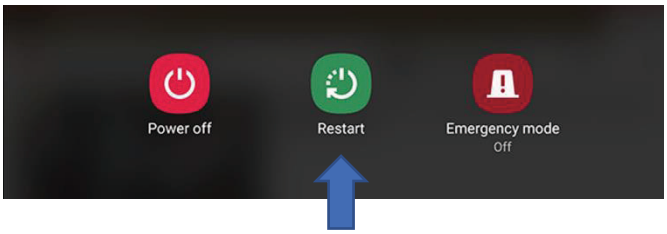
- Press the EyeOn Power Button for three seconds. Select the 'Power off' option.



Restarting

To restart the EyeOn Air device:

- Press the EyeOn Power Button for three seconds. Select the 'Restart' option.



Device Operation Continued.

Charging

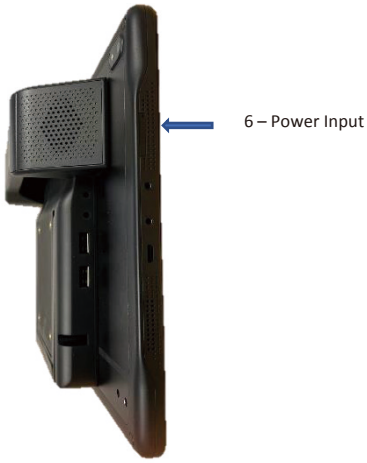
The amount of time the device can be used without needing to charge depends greatly on how you use it. To preserve the longevity between charges, we recommend setting the sleep mode to five (5) minutes, to allow the EyeOn Air device to revert to sleep mode when inactive.

If the EyeOn Air device is used on a frequent basis, it is recommended to recharge on a daily basis. The device can be used while it's charging.

To charge the EyeOn Air device:

- Connect the supplied power adapter between the Power Input (6) on the EyeOn Air device and the power supply .

Left Side View



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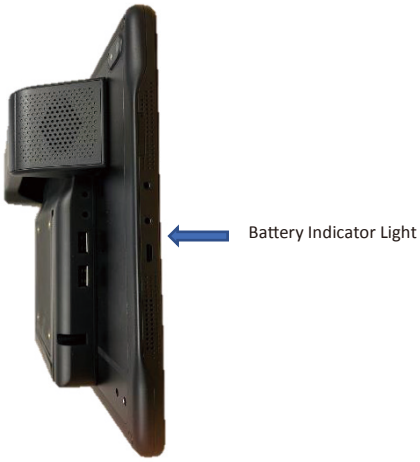


The universal power adapter supplied with the EyeOn Air device is rated as follows:

- Input: 100-240V AC 50/60Hz Max 1.7A
- Output: 12V DC/Minimum 5A

Device Operation Continued.

Storage

To properly store the EyeOn Air device:

- Ensure that the device is properly powered down (follow instructions on page 13).
- The device should not be in sleep mode for storage.
- Store the EyeOn Air device in a dry environment at room temperature (between -4F to 140F or -20C to 60C)

Device Access.

Device Access

The EyeOn Air device comes equipped with a touch screen and built-in eye tracker to create voice messages. Additional USB based input devices can also be purchased independently to operate the EyeOn Air, such as: mouse, keyboard, or switches.

Touch Screen Control

Use the following methods to make a selection on the EyeOn Air device using device using touch screen control:

Action	Method
Left Click	Tap once on the object with your finger.
Double Click	Give two short, quick taps on the object with your finger.
Dragging	To move a draggable object, touch the object and drag it to the desired location.
Right Click	Touch the object and continue to hold that position until a circle appears around the object. Then release the object to generate a right click.

Eye Gaze Control

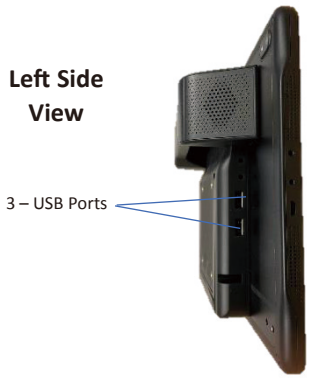
Use the following methods to make a selection on the EyeOn Air device using eye gaze control:

- Eye gaze controls will automatically power on with the EyeOn Air device.
- Launch the QuickACCESS software program located on the desktop of the EyeOn Air device. Follow the automated calibration tutorial in the software to optimize the eye gaze controls.

Mouse Control

Use the following methods to make a selection on the EyeOn Air device using mouse control:

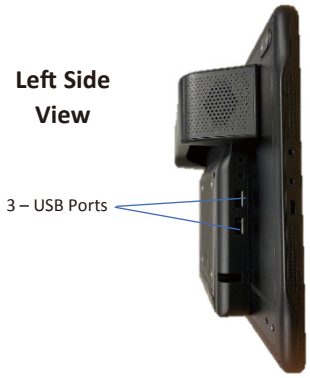
- Connect a Bluetooth mouse to the EyeOn Air device per the instructions provided with the mouse.
- Plug in a USB mouse into one of the available ports: USB Ports (3) on the EyeOn Air device.



Switch Control

Use the following method to make a selection on the EyeOn Air device using switch controls:

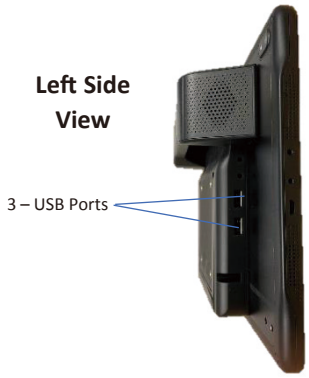
• Plug in a compatible USB connected switch into one of the available ports: USB Ports (3) on the EyeOn device.



Keyboard Control

Use the following method to make a selection on the EyeOn Air device using switch controls:

• Plug in a compatible USB connected keyboard into one of the available ports: USB Ports (3) on the EyeOn device.

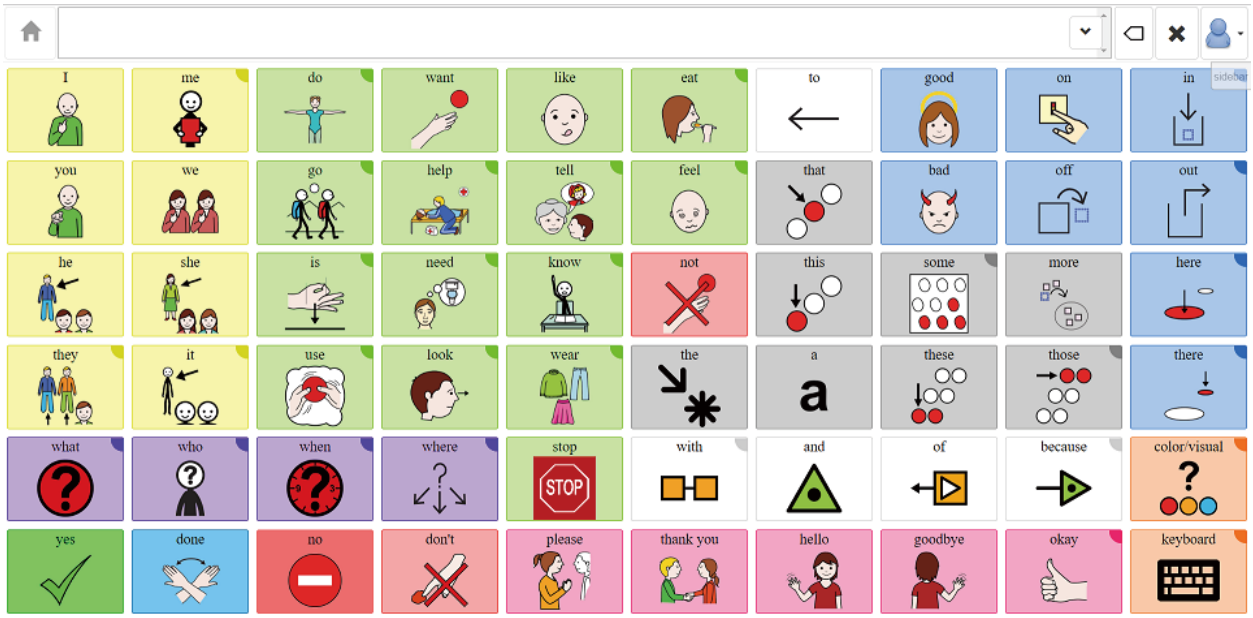


Message Formulation.

Message Formulation.

Message Formulation & Speech Generation

The EyeOn Air device is equipped with speech generating software that provides multiple methods of message formulation through use of letters, words, pictures, and symbols. The EyeOn Air device audibly generates words and phrases when an individual selects either letters, words, pictures, or symbols through one of the multiple methods of device access.



Maintenance.

Maintenance.

Troubleshooting & Repairs

The EyeOn Air device includes a two year return-to-depot warranty. To submit a warranty claim, please send an email to support@eyetechds.com including your name, phone number, serial number of the device, and description of the issue. An EyeTech team member will contact you within 24 hours to troubleshoot over the phone. If EyeTech determines that a repair is necessary, you will be responsible for shipping the device to EyeTech's repair depot. EyeTech will repair or replace the defective component and will return ship the repaired or replaced device to you at our cost. Please note that conducting self-repairs or repairs through an unauthorized third party may negate EyeTech's return-to-depot warranty.

Cleaning

To clean the EyeOn Air device, gently spray an all-purpose or window cleaner (such as Windex) on the device and wipe off with a soft cloth (such as microfiber). Avoid using strong cleaning substances, such as bleach.

Battery Replacement & Disposal

The EyeOn Air device uses a Li-ion battery. Do not dispose of the battery in the garbage when replacing. EyeTech uses a third party agent for battery disposal. Go to https://www.call2recycle.org/start-recycling/ and follow the directions listed there.

Contact Us.

Contact Us

Questions, Concerns & Comments

Please use the following contact details to contact the manufacturer of the EyeOn Air device, should you have any questions, concerns, or comments:

1128 E Greenway Street
Suite 1
Mesa, AZ 85203

Phone: 888.539.3832
Fax: 480.718.5243
info@eyetechds.com
www.eyetechds.com

CE Warning

1. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
2. The product shall only be connected to a USB interface of version USB2.0 or higher.
3. Adapter shall be installed near the equipment and shall be easily accessible.
4. The operating temperature of the device can't exceed 40℃ and shouldn't be lower than -20℃.
5. The plug considered as disconnect device of adapter.
6. The device complies with RF specifications when the device used at 0mm from the body
7. The band 5150-5350MHz indoor use only.

Hereby, EyeTech Digital Systems , Inc.declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

FCC Warning

15.19 Labeling requirements.

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.

15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105 Information to the user.

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.

Absorption Rate (SAR) information:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn operations with the back of the device kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. Use only the supplied or an approved antenna.

IC Warning

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1)This device may not cause interference;
(2)This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The information listed above provides the user with information needed to make him or her aware of a RF exposure, and what to do to assure that this radi o operates within the FCC exposure limits of this radio.

The device complies with RF specifications when the device used at 0mm from the body.Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.