

Grid Pad

Additional safety guide

Grid Pad Additional safety guide (Version 1.1)
English (UK)

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Additional safety guide

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Package contents

- Grid Pad 12
- Power Supply
- Power Lead
- Daessy Mount & Screws
- Port Labels
- Socket screwdriver
- Screen cloth
- Contents flyer
- Manual
- Additional safety guide
- Support info magnet

Device specification

Grid Pad is a communication aid designed for people with disabilities who cannot speak or have complex access needs.

Model Number: GP12
FCC ID: 2APXM-GP12V1

Operating environment

- Temperature: 0 - 40°C
- Relative humidity: 0 - 90%
- Atmospheric pressure: 70 kPa to 106 kPa

Storage environment

- Temperature: -20°C - 60°C
- Relative humidity: 0 - 90%
- Atmospheric pressure: 50 kPa to 106 kPa

Symbol explanation

Symbol	Meaning
	Headphone port
HDMI	High definition media input port
	Charging port
S1	Switch port 1
S2	Switch port 2
	Conformity European symbol to declare conformity with EU legislation.
	Federal communications commission symbol to declare conformity with US legislation.
	Waste electrical and electronic equipment symbol to indicate you should dispose of this equipment in accordance with local regulations.
	Power button symbol
+	Increase volume symbol
-	Decrease volume symbol
	Read the manual symbol

Safety

Grid Pad 12 has been tested as a Class 1 medical device. Specifications and standards have been listed in the Compliance section of this manual.

Please consider these safety warnings to ensure safe operation of your Grid Pad.

Application

Grid Pad is a communication aid designed to assist and augment your quality of life. It has been designed and manufactured to be extremely robust and reliable, but it is possible to lose function due to power loss or other technical issues.

For this reason your Grid Pad:

- is not to be used as a life supporting device.
- is not to be relied upon for well-being.
- is not to be relied upon as the user's only way of making an emergency call or alarm.
- should not be used to administer medicine.

Your Grid Pad's GEWA Infra-Red Control is not to be relied upon as the only method of interaction with IR controlled devices.

Avoiding hearing damage

Using headphones and speakers at high volume can cause permanent hearing loss. Always keep the volume of your device at a safe level.

Durability

Your Grid Pad is tough and rugged but must be handled with care when moving around. It has been drop tested to one metre. Please note this does not include accessories.

Water and liquids

Your Grid Pad has an IP54 rated screen to withstand light rain and for ease of cleaning. It should not be exposed to heavy rain or immersed in water.

The back of your device is not protected. Do not get water or liquids on the back of the device, especially in the ports or vents.

Contact with user

Part	Max continuous contact time
Touch screen	1 min
Plastic enclosure of Grid Pad	10 min
Button	10 min

Accessible part	Maximum temperature while device is charging (40oC ambient temp)	Maximum temperature while device is not charging (40oC ambient temp)
Touch panel	50.1	49.7
Plastic enclosure	48.5	48.4
Button	43.6	43.6

Do not touch the surface of your Grid Pad with broken or burnt skin as this may aggravate wound.

Power supply and batteries

Your Grid Pad contains a rechargeable lithium ion battery. All rechargeable batteries degrade over time. The usage time for a Grid Pad after a full charge can become shorter over time.

For optimal performance your Grid Pad should not be charged at extreme temperatures of below 0°C or above 45°C. At these temperatures your battery will charge slowly or not at all.

Do not expose your Grid Pad to fire or temperatures above 90°C as these conditions can cause the battery to malfunction, ignite or explode.

Only charge your Grid Pad with the supplied power lead. Using unofficial power supplies may cause severe damage to your Grid Pad and cause fire. If your Grid Pad’s power lead is lost or damaged, contact your supplier.

When your Grid Pad's battery is depleted, and the device is not connected to a power source, the device will automatically shut down to avoid damaging the battery and hardware. The operating system will attempt to do this as safely as possible, however it is recommended to attach the power lead before your Grid Pad shuts down.

The battery that powers your Grid Pad is subject to shipping regulations. Check with your postal service or courier before shipping to ensure safe delivery of your device.

Do not place your device in a place where power adaptor plug is hard to be disconnected from socket.

Do not replace battery yourself. Return your device to its supplier for the battery to be serviced.

Transporting your Grid Pad

When in transit, ensure your Grid Pad is sufficiently protected from knocks and bumps.

There are strict regulations for lithium ion batteries on airplanes. Rules vary between airlines, so it is recommended to contact your airline before you travel. More information can be found here:

caa.co.uk/passengers/before-you-fly/baggage/items-that-are-allowed-in-baggage

Temperature

Do not block the vents.

Ensure that you shut down your device before storing or placing into a bag.

If used in hot temperatures or direct sunlight, your Grid Pad may reach temperatures that can trigger an automatic shutdown. This is a safety feature to prevent lasting damage to the device. If this occurs, please wait until your device has cooled before restarting.

Mounting

When mounting your Grid Pad, follow the instructions in both your Grid Pad and your mounting system manufacturer's guide. While we have taken every precaution to make this an easy and safe process, it is up to you to ensure the device is mounted safely.

Please use the Daessy or Rehadapt mounting solutions provided. Ensure the mounting system you select is correct for you needs and perform a risk analysis if required.

Other safety

If damaged, small parts may detach from your Grid Pad. These can present a choking hazard. Young children and people with cognitive disabilities should be supervised when using the device. They should also be supervised when unpacking the device as packaging can present a choking hazard.

Grid Pad is not sterile. Do not operate with open wounds, or whilst undergoing invasive medical treatments.

Grid Pad is supplied with a power cable and can be used with cabled accessories. These can present a strangulation hazard.

Epilepsy warning

Some people with photosensitive epilepsy are susceptible to seizures when exposed to certain lights or light patterns. If you feel odd or nauseous when in front of your Grid Pad, particularly if you are using it with an eye gaze camera, move away from the device and consult a medical professional.

Eye gaze safety

Prolonged use of an eye tracking device may strain eye muscles. Take frequent breaks and rest if eye fatigue is noticed.

Disposing of your Grid Pad

Do not dispose of your Grid Pad in general household or office waste. Your Grid Pad should be disposed of in accordance with local regulations for the disposal of electrical and electronic equipment.

Warranty

Your Grid Pad is covered under the standard 2 year warranty from the time of purchase.

Repairs and Maintenance

Your Grid Pad is not a user serviceable device. If your device requires a repair, please contact your local dealer.

EMC and Harsh Environments

When the device is working with other equipment, there may be inference between device and connecting equipment.

Grid Pad should not be used:

- in a military environment.
- in a harsh RF environment.
- in an MRI environment.
- in an X-ray environment.

Troubleshooting and Customer Support

In most cases, restarting your device will cure any problems. To restart your device, Select Start and then select **Power - Shut down**. If your device has crashed, hold down the power button or remote power button for 5+ seconds to hard shutdown. Press it again to turn it back on.

If this does not fix the problem, contact support at:

thinksmartbox.com/smart-support

Please have your serial number ready. This can be found under the stand on your device.

Compliance

EU / CE Statement

Hereby, Smartbox Assistive Technology Ltd. declares that this radio equipment complies with Directive 2014/53/EU. The frequencies used by the wireless networking feature of this product are the 2.4 GHz range.

The full text of the EU declaration of conformity is available here: thinksmartbox.com/GP12-DOC

Applicable Directives

This equipment complies with the requirements of the EU harmonised legislation; Medical Devices Directive 2007/47/EC (including EMC Directive 2014/30/EU and LVD Directive 2014/35/EU), Medical Devices Directive 93/42/EEC as amended by 2007/47/EC, RoHS Directive 2011/65/EU. WEEE Directives 2012/19/EU.

Directives and Standards

EN 60601-1:2006/A1:2013

Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

EN 60601-1-2:2015

Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests

EN ISO 14971:2012

Medical devices - Application of risk management to medical devices

EN 61000-3-3:2013

Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

EN 50581:2012

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

WEEE Directives 2012/19/EU

Waste Electrical and Electronic Equipment

FCC Statement

For use in North America

USA - Contains FCC ID: 2APXM-GP12V1

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.

For use in Canada

Canada - Contains IC: 1000M-8265NG

Industry Canada Class B Emissions Compliance Statement
This Class B digital apparatus complies with Canadian ICES-003.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically

radiated power (e.i.r.p.) is not more than that necessary for successful communication.

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

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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.

Grid Pad

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GP12-SAFETY-B