Sensotec

my Board Buddy

For an accessible classroom



Manual

my Board Buddy AIR | my Board Buddy CAM | my Board Buddy GO

my Board Buddy

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What is my Board Buddy?

Thank you for your trust in my Board Buddy. With my Board Buddy AIR and GO, you can wirelessly duplicate the image from a digital projector or smartboard to the user's location. In addition, the user can also view a traditional board or the classroom environment with the my Board Buddy CAM.

my Board Buddy is a standalone or supplementary solution for educational environments used by visually impaired children and students. The device is also ideal for professional work environments, where it can be used to attend meetings and follow presentations.

my Board Buddy is intuitive to use and very accessible, making it suitable for everyone, including very young children from the age of 6.

Product versions

This manual applies to three versions:

- **my Board Buddy AIR**: Complete set with transmitter and receiver
- **my Board Buddy GO**: Transmitter only, with an iPad running the my Board Buddy app acting as the receiver
- **my Board Buddy CAM**:
    a. Standalone: Complete set with camera, receiver, and controls
    b. As an add-on for my Board Buddy AIR: Camera and control unit only

Important: The my Board Buddy CAM remote control with 9 buttons is required to control the camera and replaces the standard AIR remote control with 5 buttons. Users of the my Board Buddy AIR can also use their device as a GO! [If you have purchased the AIR set, you can also use the transmitter with an iPad and the my Board Buddy app, in addition to the included receiver. This gives you maximum flexibility in different locations. Add a transmitter to a CAM setup and watch the digital board too!]

Please note: A my Board Buddy transmitter must be present in every classroom or room where you want to use the my Board Buddy AIR and GO. The transmitters can also be purchased separately for use in multiple classrooms.

Working with my Board Buddy

The my Board Buddy is designed with ease of use and accessibility in mind, even for very young children. Its simple operation ensures that users quickly become familiar with the device. After connecting the my Board Buddy transmitter to a source, such as a laptop or digital screen, a my Board Buddy receiver or the my Board Buddy app can automatically connect without the need for third-party intervention.

Once connected, the my Board Buddy CAM is ready to use immediately. To use the camera, the user simply connects the my Board Buddy CAM to the receiver. No additional installation is required. The camera then switches on and can be operated immediately using the my Board Buddy CAM controls. The camera can move freely through 360° to capture the entire environment.

The user has the option to enlarge the image and adjust the colors for optimal readability.

Contents of the package

my Board Buddy AIR package:

- my Board Buddy transmitter
- my Board Buddy receiver
- my Board Buddy control (5 buttons)
- Power adapters
- VESA mounting plate + strap
- Micro-HDMI to HDMI cable
- HDMI to HDMI cable
- Manual

my Board Buddy GO package

- my Board Buddy transmitter
- Power adapter
- HDMI to HDMI cable
- Manual

Note for GO users: To use my Board Buddy GO, you must purchase an Apple iPad and install the my Board Buddy app from the App Store.

my Board Buddy CAM package (standalone)

- my Board Buddy receiver
- my Board Buddy CAM remote camera
- my Board Buddy control (9 buttons)
- Power adapters and power cord
- VESA mounting plate + strap
- Micro-HDMI to HDMI cable
- Manual

Tip: If you also want to make the digital board image readable, add a my Board Buddy transmitter.

my Board Buddy CAM package (add-on for AIR)

- my Board Buddy CAM remote camera
- Operation
- Power adapter and power cord
- Manual

Not included: receiver (you use the receiver from the existing my Board Buddy AIR).

Always check beforehand that all components are present!

Maintenance and precautions

- Clean the my Board Buddy with a damp, well-wrung cloth (NEVER use a WET CLOTH). Do not use corrosive products: these cause irreparable damage to the housing.
- Keep the original packaging of the my Board Buddy. The device may only be transported in this packaging.
- Ensure sufficient space (± 10 cm) around the my Board Buddy for air circulation through the ventilation openings. Never cover the ventilation grille: this can cause the device to overheat. Only use the supplied mains adapter. Using an incorrect type of adapter can damage the device.
- Never switch on the device when it has been exposed to water.
- Position all cables so that no one can trip over them or get caught in them.

Board Buddy components

Transmitter overview (AIR and GO)

1. On/off switch
2. Diagnostic LEDs with status display
3. Connection for power adapter
4. HDMI input (compatible with 4K signals)
5. HDMI output



Receiver overview (AIR and CAM)

1. USB-C connection for power adapter
2. Micro-HDMI output
3. USB connection for controller and camera



Please note: It is not possible to completely switch off the my Board Buddy receiver with a button; its low energy consumption makes this unnecessary.

Controller overview (AIR and CAM)

The controller has a child-friendly design with a simple joystick on the left and 5 (AIR) or 9 (CAM) colored buttons on the right:



my Board Buddy AIR controller with 5 buttons



my Board Buddy CAM controller with 9 buttons

- The yellow buttons with **+** and **-** symbols control the magnification: the upper button enlarges the image, the lower button reduces it.
- The joystick makes it easy to move the image when magnification is set. The camera is also controlled with the joystick.
- The white button activates color inversion and high contrast modes, which helps when reading certain texts.
- The red button displays the image in grayscale or true colors.
- The green button restores the image to full screen display with a single press. The camera zooms out completely.
- The blue button, only available on the CAM control, allows the user to switch between the image from the digital board to the camera or vice versa.
- A preferred camera position can be assigned to each of the three black buttons.

Special function combinations:

- Press the joystick **+** the green button simultaneously: switch between full screen magnification and partial magnification with a virtual magnifying glass.
- Press the joystick **+** the white button simultaneously: freeze the screen.
  Press the same combination again to return to the live image.
- Press the joystick **+** the yellow buttons simultaneously: adjust the contrast in high contrast mode. This helps in poor lighting or weakened contrast.
- Press the joystick **+** 1 of the 3 black buttons: lock a camera position.
- Press the joystick **+** the red button simultaneously for 4 seconds: re-initiate the connection with the transmitter and camera.

Please note: The my Board Buddy CAM control replaces the standard my Board Buddy AIR control as soon as the CAM is connected.

Combination with laptop or document camera

For users who also want to use the connected screen with a laptop or document camera, my Board Buddy offers an exclusive switching function. This allows both applications to be used alternately on a single screen.

If the screen has multiple HDMI or DVI inputs and is compatible with input switching via my Board Buddy, this function must first be activated. To do this, hold the joystick to the left and press it for 10 seconds. Once the function is enabled, a confirmation message will appear on the screen.

You can then switch between the available inputs by holding the joystick down for 2 seconds. The monitor will then automatically switch to the other connected input. For optimal performance, we recommend using a screen with a maximum of two inputs. VGA connections are not supported.



Camera overview (CAM)

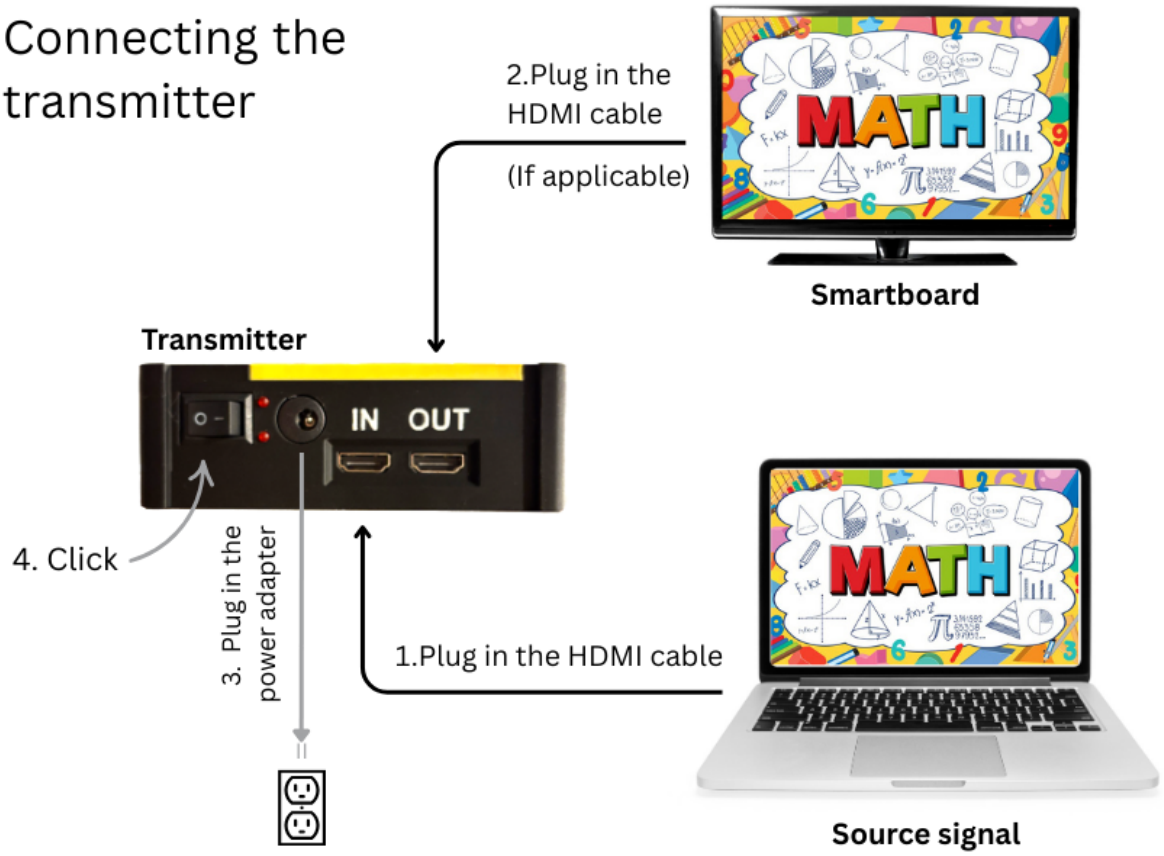
1. Camera
2. Power adapter with power cord via USB connection
3. Table clamp to hold the camera to the table

Connecting the transmitter (for AIR and GO)

1. Connect the source signal (computer, tablet, smartboard, etc.) to the HDMI IN connection.
2. If a monitor (smartboard or presentation screen) was connected to the source, you can now connect it to the HDMI OUT connector.
3. Connect the 12V power adapter.
4. Turn on the switch.

The my Board Buddy transmitter will now start up. If a monitor is connected to the HDMI OUT connection, the Sensotec logo will appear, followed by the source signal. Once both LEDs light up, the transmitter is fully started up and ready for use.

<u>Schema</u>



Mounting the remote camera (CAM) – if applicable

1. Mount the camera on the student's table using the table clamp and tighten it securely.

➔ Ensure that the camera can move freely and has a clear field of view so that the entire class or the board is clearly visible.

Leave space around the camera (no books or boxes against it). Avoid backlighting (e.g., directly in front of a window); rotate the setup slightly if necessary.

➔ Ensure a stable setup and make sure that no one manually moves the camera head while it is in operation. This could damage the camera.

2. Connect the power cord to the power adapter and plug it into the wall outlet.

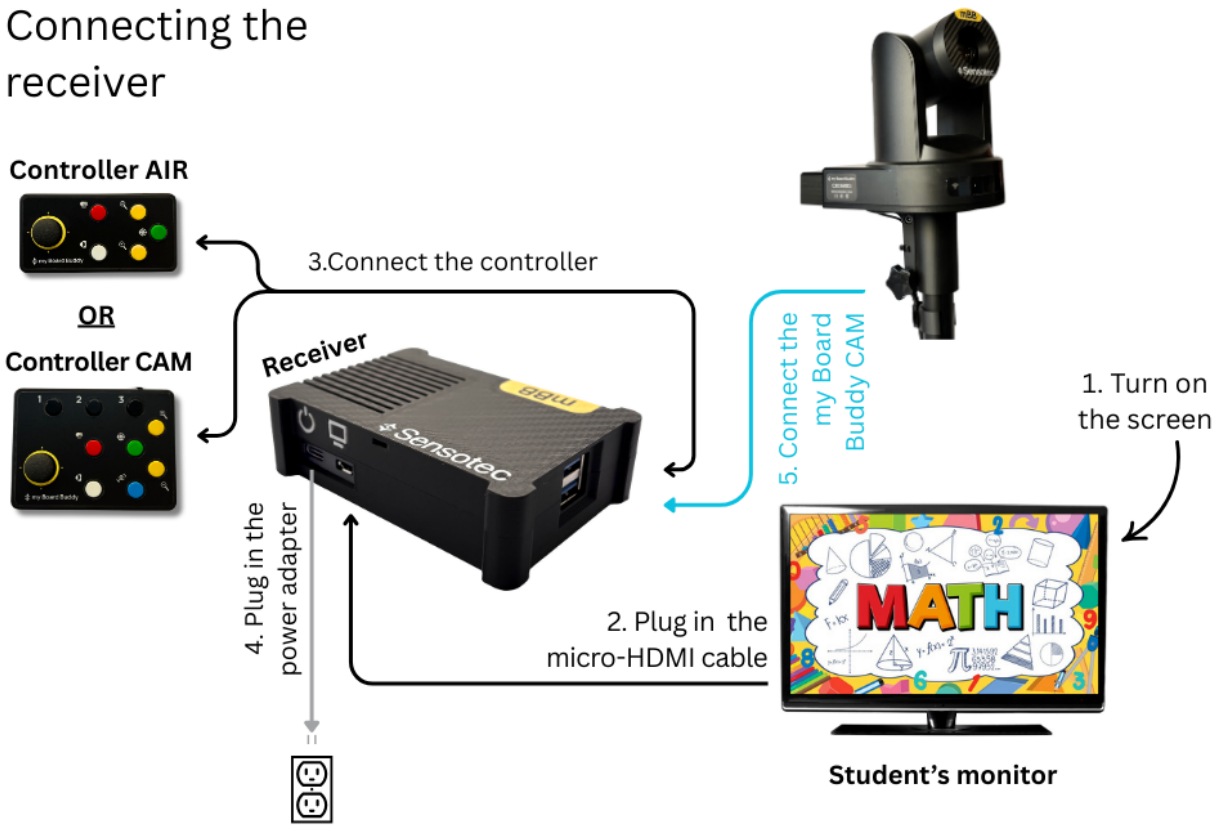
Connecting the receiver (AIR and CAM)

Optional: if you want to mount the my Board Buddy receiver on the back of the screen, use the VESA adapter and the supplied strap.

1. Make sure the screen (the student's monitor) is turned on.
2. Connect the screen to the HDMI port using the supplied micro-HDMI cable.
3. Connect the controller to one of the 2 USB ports.
4. Connect the power adapter to the USB-C port and plug it into the wall outlet.
5. If you have purchased the CAM, connect the my Board Buddy CAM (already mounted on the table) to the free USB port on the receiver and connect the power cable to the wall outlet.

If the connection is correct, you will see a screen with the my Board Buddy logo after a few seconds. If there is a transmitter nearby with an available image signal, a connection will be made automatically after a few seconds. If a my Board Buddy CAM has been connected, it will also appear automatically.

Schema



Setting up and using the my Board Buddy app (GO)

For my Board Buddy GO or for AIR users who also want to use the iPad functionality:

Installing the app

1. Open the App Store on your iPad
2. Search for "my Board Buddy" in the search bar
3. Download and install the app
4. Open the app after installation is complete

Connect

1. Make sure the my Board Buddy transmitter is turned on and within range
2. Open the my Board Buddy app on your iPad
3. Tap the large, clear "Connect automatically" button on the opening screen

➔ This child-friendly feature automatically searches for the strongest my Board Buddy transmitter in the area and connects without the need for complicated settings

4. Once the connection is established, the image from the transmitter is immediately displayed on your iPad

Using the app interface

Menu bar



At the top of the screen is a menu bar with various functions:

- You can hide the menu bar by tapping anywhere on the video image
- Tap the screen again to display the menu bar
- Use the thumbnail button to lock the menu so that it does not disappear automatically

Available functions in the menu bar

	**Color inversion:** This reverses the colors for better readability of certain texts
	**Grayscale:** Converts the image to grayscale while retaining some color information
	**Screenshot:** Take a screenshot of the current image
	**Record video:** Start recording the image
	**Back arrow:** Return to the app's home screen

Navigation in the app

At the bottom of the app's home screen, you will find two tabs:

1. **Connection**: For connecting to the transmitter
2. **Snapshots**: Here you will find all screenshots and video recordings you have made

Image control

Just like with the physical controller, in the app you can:

- Zoom in and out with a spread or pinch gesture using two fingers
- Move the enlarged image by dragging one finger across the screen
- Use the buttons in the menu bar for different display options

View and manage snapshots

1. Tap the back arrow in the menu bar to return to the home screen
2. Select the "Snapshots" tab at the bottom of the screen
3. Here you can see all the screenshots and video recordings you have made
4. Tap an item to view, share, or delete it

Warranty

After purchase, standard local warranty apply on the product. Damage caused by improper or careless use is not covered by the warranty provisions under any circumstances. Maintenance and repairs are reserved exclusively for technicians employed by or authorized by Sensotec NV. The device must never be opened by the user or third parties. If this does happen, your warranty will be void without any obligation on our part.

Technical support

Use this manual as a guide for use. Ensure that the IT department is sufficiently familiar with the operation of the device. For technical support, please contact your local supplier. If the technical problem persists or you cannot find the answer to your question in this manual, please do not hesitate to contact us by email (support@sensotec.be) or by phone at: +32 50 40 47 47.

Consult this manual and tips for troubleshooting any problems via the QR code:

Sensotec

Solutions for a visual challenge

Do you have technical or practical questions about this product? You can't find the answer in this manual?

Then our Service & Support team is here to help you!

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