

## Instruction Manual

# Bluetooth<sup>®</sup> Smart Sensor

## Model: BT-02



### General Description

The Bluetooth<sup>®</sup> Smart Sensor works with Embertec APS models that are Bluetooth ready. Please visit [embertec.com](http://embertec.com) to identify the range of models that work with this sensor.

The Infrared Bluetooth<sup>®</sup> Smart Sensor activates the Power Saving sockets, monitors activity and is also used to set the Active Powerdown<sup>®</sup>. It comes with a 9.8 ft/3 m cable, LED light and two button control. It can also be controlled via your Android/iOS mobile device, by downloading and installing the emberconnect<sup>™</sup> app.

The Bluetooth<sup>®</sup> Smart Sensor receives signals from any of your remote controls and recognizes when you are interacting with your Audio Visual (AV) components. The Bluetooth<sup>®</sup> Smart Sensor is also used to set the time period for the Active Powerdown<sup>®</sup> feature. The default setting for Active Powerdown<sup>®</sup> is 60 minutes.

Once the associated Embertec APS unit has been installed, place the Bluetooth<sup>®</sup> Smart Sensor in a convenient location that is in line of sight. Close to your television is the best position and within normal operation of your existing remote control(s).

## Basic Functions

1. The Bluetooth® Smart Sensor is designed to All standard functions of the Classic sensor including IR detection, LED warning and change settings.
2. Detects IR from Users remote. This is used to confirm User is still using their equipment.
3. Communicates via Bluetooth wireless communication. This communicates to a Bluetooth enabled mobile phone/tablet with an app that enables setting parameters (timing/etc) manual turning on/off and displaying power measurements.
4. Has a cable with RJ11 plug to connect to the ESUS strip.
5. Has a warning LED on the front to alert Users that the power will soon be removed from their equipment unless they press a button on an IR remote (for connected equipment).
6. Has a SET button to set timing from 1 hour or 2 hours. If the sensor has not detected IR for the set period, it flashes the warning LED on front of the sensor to alert Users.
7. Has MUSIC button which sets the timing to 8 hours.
8. Has LEDs on top of the sensor to advise User of which timing mode the system is in being 1 hour, 2 hour or 8 hours (M=music mode).

## Quick Bluetooth® Guide

- The Bluetooth® Smart Sensor can be controlled by your compatible iPhone®, iPad® or Android™ device running the emberconnect™ app.
- To unlock the full potential of your Embertec APS, install the emberconnect™ app.



- **Control your Embertec APS unit directly**  
Switch the Power Saving sockets ON or OFF direct from your phone or tablet.  
See when your Embertec APS unit is about to switch off power to the Power Saving sockets. If it's not convenient, you can delay the switch off with emberconnect™.
- **Easily control Active Powerdown® settings to suit your lifestyle.**  
Set the time before your Embertec APS unit saves you money by switching off power to unused AV equipment connected to the Power Saving sockets to 1 or 2 hours.
- **Easily enable BedroomMode™**  
Set the brightness and flash duration for minimum disturbance in a bedroom.
- **Easily enable MusicMode™**  
Temporarily override Active Powerdown® while you party, listen to music, or watch a video marathon.
- **See your power use**  
emberconnect™ shows you how much power your AV equipment is using right now.

## Connecting your mobile device

To enable the emberconnect™ app to communicate with the Bluetooth® Smart Sensor your mobile device must first pair with the Bluetooth® Smart Sensor.

With the emberconnect™ app installed, please follow the steps below:

1. Select the emberconnect™ app on your mobile device.
2. Ensure the Bluetooth® Smart Sensor is properly connected to the Embertec APS unit.
3. Plug in the Embertec APS unit and wait approximately 3 seconds for it to be ready.
4. Press and HOLD the MUSIC button on top of the sensor for 5 seconds. The LED on the front of the sensor will start flashing quickly for 1 minute.
5. The Bluetooth® Smart Sensor is now ready to pair with your mobile device.
6. In the emberconnect™ app, press the + button to start the pairing process.
7. A dialog box will appear after a few seconds, you should now type the pairing code: 000000 (6 zeros) in and press OK.
8. Follow the remaining on screen prompts to complete setting up your Bluetooth® Smart Sensor.
9. Additional information is available on the Embertec product FAQsection of our website:  
<http://embertec.com/faq>

## Specifications



This device is Bluetooth compatible. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Embertec® is under license.

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 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.

*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.*

*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.*

## Technical Specification:

RF features	Bluetooth Low Energy (BLE)
Transmit type	1T1R
Radio data rate	up to 1Mbps
Modulation	GFSK
Frequency range	2400~2483.5MHz
Antenna type	Integral Printed Antenna
Peak gain	1.15354dBi
Average gain	-1.04133dBi
FCC ID	2AGKS-BT02SENSOR
IC	20880-BT02SENSOR

**WARNING:** Any changes or modifications not expressly approved by Embertec Pty Ltd could void the user's authority to operate this equipment.

## Important

Please retain your instruction book for future use.

In the event that you need assistance, please contact us on 800.838.9659 or email us at [customerservice@embertec.com](mailto:customerservice@embertec.com). Alternatively, visit us on our website at [embertec.com](http://embertec.com)

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