



**EmberCeptor AV**  
**Automatic Power Down**  
ECEU/US-AV



User Manual

## **Important**

**Please retain your User Manual  
for future use.**

In the event that you need some assistance with your EmberCeptor, please email us at [emberceptor@embertec.com](mailto:emberceptor@embertec.com). Alternatively, visit us on our website at [embertec.com/emberceptor](http://embertec.com/emberceptor)

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## Embertec Recommends Safety First

# IMPORTANT: Please retain your User Manual for future use.

At Embertec, we believe that safe performance is the first priority in any consumer product, so that you, our valued customer can confidently use and trust our products. We ask that any electrical appliance that you use be operated in a sensible fashion with due care and attention placed on the following important operating instructions.

### Important Safeguards For Your EmberCeptor AV™

- Carefully read all instructions before operating the EmberCeptor AV™ for the first time and save for future reference.
- To protect against electric shock, do not immerse the EmberCeptor AV™ in water or any other liquid.
- This EmberCeptor AV™ is intended for household and commercial use only, not for industrial use.
- Disconnect from the power point before cleaning and when the EmberCeptor AV™ is not in use.
- Do not plug this EmberCeptor AV™ into another device.
- Do not insert needles or any other metal objects into the device outlets.
- Avoid moisture, extreme temperatures, shock and vibration.
- This device does not convert voltage. Do not connect country

or travel power adapters into the EmberCeptor™. Your connected equipment must comply with the below electrical requirements:

#### EmberCeptor™ AV Series Specifications

	UK	US	EU
Part Number	ECUKAV	ECUSAV	ECEUAV
<b>Electrical</b>			
Operating Voltage (AC) (+10% -6%)	220-230	120	220-230
Mains Frequency (Hz)	50	60	50
Output Current (Amps)	13A	15A	16A
Disconnection Type	Type 1B		
Control Pollution Degree	2		
Rated Impulse Voltage	1500V		
<b>Standards and Compliance</b>			
RoHS, WEEE, CE, ETL	Compliant		

- Connected plugs must be kept clean and free from defect.
- Suitable for indoor use only.
- The EmberCeptor AV™ is not recommended for use with certain Home Theatre Projectors when plugged into 'Power Saving' sockets. This is due to the projection lamps requiring a cool down period prior to power down to prevent damage to, and extend the life of your Home Theatre Projection lamps.
- We recommend connecting any Home Theatre Media Centre Computers into an 'Always On' socket or powerstrip connected to a wall socket to prevent accidental removal of power during power cycles.
- Ensure the device is securely plugged into the wall socket to avoid the device slipping out. Ensure cords plugged into the device remain tangle free.

## Important Safeguards For All Electrical Appliances

- The EmberCeptor AV™ is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the EmberCeptor AV™.
- It is recommended to regularly inspect the EmberCeptor AV™. To avoid a hazard do not use the EmberCeptor AV™ if it becomes damaged in any way.
- This EmberCeptor AV™ is for household and commercial use only, not for industrial use. Do not use this EmberCeptor AV™ for anything other than its intended use. Do not use in moving vehicles or boats. Do not use outdoors. Misuse may cause injury.
- Embertec is not responsible for special, incidental, or consequential damages or loss of components, or data; loss of operating instructions; or intentional misuse of the product. Damages and loss include, and not limited to: lost business; business downtime; component/ equipment replacement and reconfiguration; or retrieval of lost data.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus
- An apparatus with CLASS 1 construction shall be connected to MAINS socket outlet with a protective earthing connection
- The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable;
- The socket-outlet shall be installed near the equipment and shall be easily accessible

## Your EmberCeptor AV™

1. EmberCeptor AV
2. Monitoring light
3. EmberSensor

### Not Shown

- Overload protection circuit breaker re-set button



- The 'Always On' socket (black) is recommended for use with Audio Visual (AV) equipment that requires constant power for timers, program guide and recording features (e.g. DVR, PVR, VCR, Cable, Digital TV Receivers or bedside alarms). This will ensure constant power is not interrupted or mistakenly removed.
- The 'Power Saver' socket (green) is recommended for Audio Visual (AV) equipment that can be automatically switched off (e.g. Televisions, amplifiers / receivers, speakers, game consoles, DVDs, CDs, Blue Ray players, lamps).
- LED monitoring light indicates power, monitoring and event status, as well as the operational state of the EmberCeptor AV™.
- Overload protection circuit breaker re-set button. (Not shown)
- German and European general purpose outlets.
- Infrared EmberSensor activates the 'Power Saver' socket, monitors activity and is also used to set the timing, if required. Comes with a 3 metre cable, LED light and integrated push button control.
- Active power down switches equipment off that is on, but not in active use after a default period of 1 hour, or user-set timer of 2 or 3 hours.

## Specifications

- Surge protection provided to EmberCeptor AV™ outlets, providing assurance that your home office equipment and computer equipment are protected against dangerous power surges from your electricity source. Total surge protection up to 375J / 4500 Amps. In the event of a major power surge, electrical overload or wall outlet failure, the EmberCeptor AV™ will remove power to both sockets to further protect your connected equipment.
- Australian designed and engineered.

## What is EmberCeptor AV™?

The EmberCeptor AV™ automatically switches the power off to Audio Visual (AV) equipment connected to the power saving socket after 1 hour, if it has not detected any remote control use.

EmberCeptor AV™ also automatically detects and switches off wasted standby power when the equipment is left in the standby mode.

Equipment is automatically re-powered by simply using your Audio Visual (AV) remote controls normally.

Power wastage happens frequently when kids leave the television or games on, or when one falls asleep in front of the television.

**NOTE:** The EmberCeptor AV™ powerdown can also be easily set to 2 or 3 hours, or deactivated.

### What Power is Wasted?

Many of today's appliances for the home and office continue to use power, even when the appliance is turned off. Appliances that are left on unintentionally or are in sleep mode, waste even more power.

### Automatic Power Down

EmberCeptor AV™, featuring automatic power down, works on two levels:

1. Automatically switches off equipment that is not being used, but has been unintentionally left on.
2. Detects and eliminates power consumed by Audio Visual (AV) equipment that has been left on standby.

Active power down detects when there is no activity from your remote and removes the power to the entire Audio Visual (AV) system in approximately 60 minutes. This timing can be defined by you from 1 to 3 hours, or de-activated.



## What Audio Visual Equipment Can Be Used With The EmberCeptor AV™?

EmberCeptor AV™ is a power saving device that is suitable for all Audio Visual (AV) applications and setups, including:

- All types of televisions
- Home theatre speaker systems
- Game consoles
- CD, DVD, and Blue-Ray players
- Amplifiers
- Lamps

**NOTE:** Certain home theatre projectors require a cool down period, and should be connected to the 'Always On' socket, or a free wall socket.

**NOTE:** Certain consoles which are programmed to tape television shows, such as pay TV and PVR units, should be connected to the 'Always On' socket.

**NOTE:** The EmberCeptor AV™ saves wasted power consumed by all the connected Audio Visual (AV) components. When some appliances are still in use the socket will remain active.

## Using Your EmberCeptor AV™

### Before First Use

Remove any packaging and promotional material from the EmberCeptor AV™ device and EmberSensor.

### Setting Up the EmberCeptor AV™

Identify Audio Visual (AV) equipment that requires constant power for timers, program guides and recording features, and plug them into the socket marked 'Always On'.

Identify Audio Visual (AV) equipment that can be automatically switched off and then plug them into the socket marked 'Power Saver'.

**NOTE:** Where there is more than one appliance that needs to be connected, any power board, powerstrip, trailing socket or surge board may be connected to this socket.

Connect the supplied EmberSensor cable to the underside of the EmberCeptor AV™.



Place the EmberSensor 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).

Plug the EmberCeptor AV™ into a 220V-230V wall socket in Europe, or into a 120V wall socket in US, and turn the power point on at the wall (if the wall outlet has a switch).

**NOTE:** Only equipment connected to the EmberCeptor AV™ will be protected against surge.



## Using Your EmberCeptor AV™ continued



## Using Your EmberCeptor AV™ continued

Your equipment is only protected when all of its external connections are connected to a single surge protector.



**Warning:** If the EmberSensor light flashes frequently, it may indicate it has sensed unwanted infrared activity from other appliances, such as fluorescent lights. If this occurs, please refer to the Troubleshooting Guide on pg 18.

The LED monitoring light on the EmberCeptor AV™ will now light up for 3 seconds to indicate detection of connected equipment. This also indicates the EmberCeptor AV™ is monitoring your power consumption and providing power to the 'Power Saver' socket, then switches off.

Your Audio Visual (AV) system is now ready to use normally.

**NOTE:** Only audio visual equipment to be connected to the EmberCeptor AV™.

### LED Monitoring Light Status

The LED light on the EmberCeptor AV™ is ON whenever power has been applied to the Power Saver socket, and OFF when power has been removed.

**NOTE:** Please allow a few seconds for the Standby Power in your Audio Visual (AV) components to stabilise.

## To Operate the EmberCeptor AV™

To operate your Audio Visual (AV) components, press any button on any existing remote control(s), or press the button on the EmberSensor.

**NOTE:** To reactivate your TV components, it may be required to hold down any button for a few seconds.

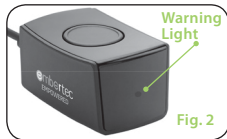
This will apply power to all components and place them in standby mode, ready for use. You can continue using your existing remote(s) to operate your television, digital television receiver or other Audio Visual (AV) components in the normal way.

## Turning the Audio Visual (AV) Components off After Connecting the EmberCeptor AV™

Simply turn your equipment off in the normal way.

Once the Audio Visual (AV) components have been switched off, the EmberCeptor AV™ will remove power from the Power Saving socket after a delay of approximately 1 minute.

**NOTE:** The LED light on the EmberSensor will flash for about 60 seconds to warn you that the power down is about to be activated.



## Using your EmberSensor

The infrared EmberSensor activates the Power Saving socket, monitors activity and is also used to set the timing.

### Setting your EmberSensor

The included EmberSensor receives signals from any of your remote controls and as such recognises when you are interacting with your Audio Visual (AV) components.

Your EmberSensor comes already programmed with a 60 minute default setting. This setting can be changed according to your needs, ranging from 1, 2 or 3 hours, or de-activated (this may be appropriate for longer movies or programs where remote control activity is unlikely).

**NOTE:** To enter the Setting Mode, ensure that your Audio Visual (AV) equipment is switched on or is in standby mode.

Press and hold down the button on the EmberSensor firmly for at least 3 seconds, then release. The LED light on the EmberSensor will flash for a few seconds whilst it enters Setting Mode.

As soon as the LED light on the EmberSensor has stopped flashing, immediately begin to set the active power down to 2 hours, 3 hours or completely de-activated (not recommended), by pressing and releasing the EmberSensor button, as per the table below.

To set the active power down timer to:	Press the button on the EmberSensor slowly, firmly and deliberately:	To confirm the setting, the LED light on the EmberSensor will flash:
1 hour (default setting)	Once (one second), then release	1 time
2 hours	Twice (one second each), then release	2 times
3 hours	Three times (one second each), then release	3 times
Cancel	Five times (one second each), then release	5 times

**NOTE:** The Setting Mode can only be activated once the EmberCeptor AV™ is plugged in and operational, and when power is being supplied to the Power Saving socket (your Audio Visual (AV) equipment is ON or in standby).

Where no user activity (button presses) have been detected after 3 seconds, the Setting Mode will be cancelled and the EmberCeptor AV™ will return to normal operation with a default active power down timer of 1 hour.

When the EmberCeptor AV™ is removed from the wall socket, or power is switched off at the wall socket, the EmberCeptor AV™ will revert to its default active power down setting of 1 hour.

## Active Power Down

Active power down detects when there is no activity from you interacting with the Audio Visual equipment and removes power to the entire Audio Visual (AV) system connected to the Power Saver socket in approximately 60 minutes (this time will vary depending on the defined time selected ranging from 1 to 3 hours, or de-activation).

### When will Active Power Down Switch your Audio Visual (AV) Equipment off?

If your EmberCeptor AV™ detects that your Audio Visual (AV) equipment is On but has not been used for a period of 1, 2, or 3 hours (depending on your settings), a timer of approximately 5 minutes will begin before entering active power down mode and removing power from the equipment plugged into the 'Power Saver' socket. During this period, the LED light on the EmberSensor will flash for approximately 5 minutes to warn you that power down is imminent.

### Canceling or Interrupting the Active Power Down

Simply press any button on any of your existing remote control(s), interact with your Audio Visual (AV) system, or press the button on the EmberSensor. This will cancel the active power down and return the timer to its default setting of 1, 2 or 3 hours (according to the user selected time).

### Overload Protection

The EmberCeptor AV™ is fitted with a safety device that switches off the device in the event of overloading. Should the device stop working, turn off and unplug all units, and reset the safety protection button on the device before attempting to restart the device. If the device fails to operate or the safety device switches off again, contact Embertec by email at [emberceptor@embertec.com](mailto:emberceptor@embertec.com) Alternatively, visit us on our website at [embertec.com/emberceptor](http://embertec.com/emberceptor)

EmberCeptor AV™ is:	EmberSensor LED action:
Standby power down or active power down imminent.	Flashes 2 times every second.
Detection of remote control signal or EmberSensor button pressed.	Flashes only on detection/ button presses.



## Care and Maintenance

To clean the outside of the EmberCeptor AV™ device, first switch off and remove the device from the power point. Then wipe the exterior with a soft, damp cloth. Never use an abrasive cleaner.

When not in use, store the EmberCeptor AV™ (preferably in its original box) in a cool, clean and dry location.

## Troubleshooting Guide

Problem	To Check
The EmberCeptor AV™ is not receiving power.	<ul style="list-style-type: none"><li>• If the power board has a power switch, ensure it is turned on.</li></ul>
The EmberCeptor AV™ is not powering down my equipment in standby mode.	<ul style="list-style-type: none"><li>• Wait at least 1 hour.</li><li>• Ensure the equipment is plugged into a power saving socket, not into the 'Always On' socket.</li><li>• The EmberCeptor AV™ has not detected a major decrease in power consumption from your Audio Visual (AV) system.</li><li>• Please repeat this process by switching on the Audio Visual (AV) component again, waiting 10 seconds, and switching off again.</li></ul>
The EmberCeptor AV™ is not powering on my equipment.	<ul style="list-style-type: none"><li>• The EmberSensor has not detected the infrared activity from your remote control.</li><li>• Ensure you are using an infrared remote control and not a radio frequency remote control.</li></ul>
The EmberSensor flashes frequently during normal operation.	<ul style="list-style-type: none"><li>• This may be an indication of unwanted infrared activity in the area. Please check the immediate area for infrared devices that maybe interfering with the EmberCeptor AV™ (such as computers, mobile phones, and other portable consumer electronic devices) and:</li><li>• Move the EmberSensor to another location that is within line of sight and normal operation of your Audio Visual (AV) equipment remote controls.</li></ul>

Problem	To Check
<p>The LED on the main body of the EmberCeptor AV™ is flashing, but my EmberSensor LED does not work (when plugged in and powered on).</p>	<ul style="list-style-type: none"> <li>• Please check your EmberSensor connection to the EmberCeptor AV™ by:               <ul style="list-style-type: none"> <li>- Ensuring the EmberSensor cable is safely and securely connected to the underside of the EmberCeptor AV™, and;</li> <li>- Press the button on the top of the EmberSensor when plugged into the EmberCeptor AV™ with the EmberCeptor AV™ switched on. If the LED does not flash whenever you press the button, it may be evidence of a faulty EmberSensor or connection.</li> </ul> </li> </ul>
<p>The EmberCeptor AV™ has stopped working.</p>	<ul style="list-style-type: none"> <li>• Unplug all the appliances connected into the EmberCeptor AV™ device and then unplug the device from the wall socket. Then reconnect everything again.</li> </ul>

## Disposal/Recycling

To protect the environment, the EmberCeptor AV™ should be recycled, or disposed of safely at the end of its life. Please return the EmberCeptor AV™ to a recycling centre for safe recycling or disposal.

<http://uk.simsrecycling.com/contacts-and-locations/european-recycling-centreswww.recyclingnearyou.com.au>

**NOTE:** EmberCeptor complies with WEEE and RoHS regulations that restrict the use of certain hazardous substances in Electrical and Electronic Equipment (EEE) and aim to reduce the amount of Waste EEE and improve recovery and recycling rates.





## Embertec 12 Month Replacement Warranty

**This EmberCeptor is supplied by Embertec Pty Ltd.  
Embertec Pty Ltd is responsible for any warranty obligations as defined below.**

In Australia, this EmberCeptor Replacement Warranty does not affect the mandatory statutory rights implied under the Trade Practices Act 1974 and other similar State and Territory legislation relating to the appliance. It applies in addition to the conditions and warranties implied by that legislation.

This EmberCeptor Replacement Warranty is valid only in the country of purchase, but other statutory warranties may still apply.

This Warranty card and the purchase receipt for this product are to be retained as proof of purchase and must be presented if making a claim under the Embertec Replacement Warranty. Please note that under any applicable statutory warranty you are not required to produce these documents, but may be required to provide a proof of purchase.

Embertec warrants the purchaser against defects in workmanship and material for a period of 12 months domestic use from the date of purchase (or 3 months commercial use).

The Embertec Replacement Warranty does not apply to any defect, deterioration, loss, injury or damage occasioned by, or as a result of, misuse or abuse, negligent handling or if the product has been used other than in accordance with the instructions.

The Embertec Replacement Warranty excludes breakables such as glass and ceramic items, consumable items and normal wear and tear.

This EmberCeptor Replacement Warranty is void if there is evidence of the product being tampered with by unauthorised persons.

If the product includes one or a number of accessories only the defective accessory or product will be replaced. Subject to your statutory rights, in the event of Embertec choosing to replace the appliance, the EmberCeptor Replacement Warranty will expire at the original date, i.e. 12 months from the original date of purchase.

In the event that you need some assistance with your EmberCeptor, please email us at [emberceptor@embertec.com](mailto:emberceptor@embertec.com) Alternatively, visit us on our website at [embertec.com/emberceptor](http://embertec.com/emberceptor)

## Embertec 12 Month Replacement Warranty

Your Purchase Record (Please Complete)

Date Of Purchase \_\_\_\_\_

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchased From \_\_\_\_\_

Attach a copy of the purchase receipt here.

(Please don't return purchase record until you are making a claim)

For further assistance please contact us on  
[emberceptor@embertec.com](mailto:emberceptor@embertec.com)

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