TrickleStar®

TrickleStar®

PRODUCT INFORMATION

TS1914	**TAV Link™ Multi-Sensor**

For technical support
go to www.tricklestar.com
or call 1-888-700-1098

www.tricklestar.com

Installation Diagram
(4 Outlet Advanced PowerTap)

MULTI SENSOR

**TAV-LINK
(CEC FUNCTION)**

TV

**TV MUST BE
PLUGGED IN HERE**

Programming the Countdown Timer

To configure the countdown timer, press and hold the button for 10 seconds until the red LED illuminates. Then press:

- Once for 30 minutes (IR + motion sensing)
- Twice for 60 minutes (IR + motion sensing)
- Three times for 120 minutes (IR + motion sensing)
- Four times for 60 minutes (IR sensing only)
- Five times for 120 minutes (IR sensing only)

LED will flash once for 30 minutes, twice for 60 minutes (default setting), three times for 120 minutes, four times for 60 minutes (IR sensing only) and five times for 120 minutes (IR sensing only).

**IR REMOTE
CONTROL**

MOTION

DVR

DVD PLAYER

DVR

AV RECEIVER

Installation Diagram
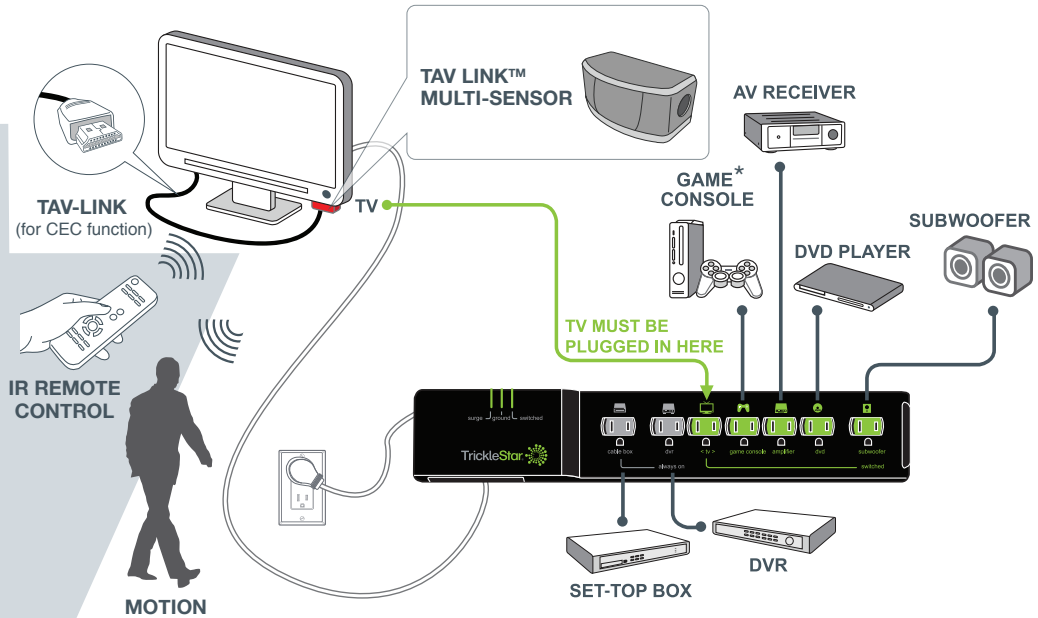## (7 Outlet Advanced PowerStrip)

Programming the Countdown Timer

To configure the countdown timer, press and hold the button for 10 seconds until the red LED illuminates. Then press:

• Once for 30 minutes (IR + motion sensing)
• Twice for 60 minutes (IR + motion sensing)
• Three times for 120 minutes (IR + motion sensing)
• Four times for 60 minutes (IR sensing only)
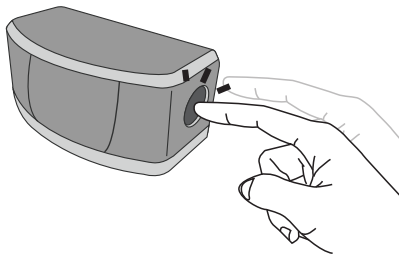• Five times for 120 minutes (IR sensing only)

LED will flash once for 30 minutes, twice for 60 minutes (default setting), three times for 120 minutes, four times for 60 minutes (IR sensing only) and five times for 120 minutes (IR sensing only).

TAV LINK™ MULTI-SENSOR

AV RECEIVER

GAME* CONSOLE

SUBWOOFER

DVD PLAYER

TAV-LINK (for CEC function)

TV

IR REMOTE CONTROL

MOTION

TV MUST BE PLUGGED IN HERE

TrickleStar

surge ground switched

cable box   dvr   < tv >   game console   amplifier   dvd   subwoofer

always on   switched

SET-TOP BOX

DVR

* Game consoles without hard disk drives (HDD) should be plugged into a switched outlet. CEC compatible game consoles with hard disk drives can be plugged into an always-on outlet and controlled via TAV-Link.

Installation Diagram
(12 Outlet Advanced PowerStrip)

TAV LINK™ MULTI-SENSOR

DVD PLAYER

AV RECEIVER

GAME* CONSOLE

SUBWOOFER

TAV-LINK (for CEC function)

TV

TV MUST BE PLUGGED IN HERE

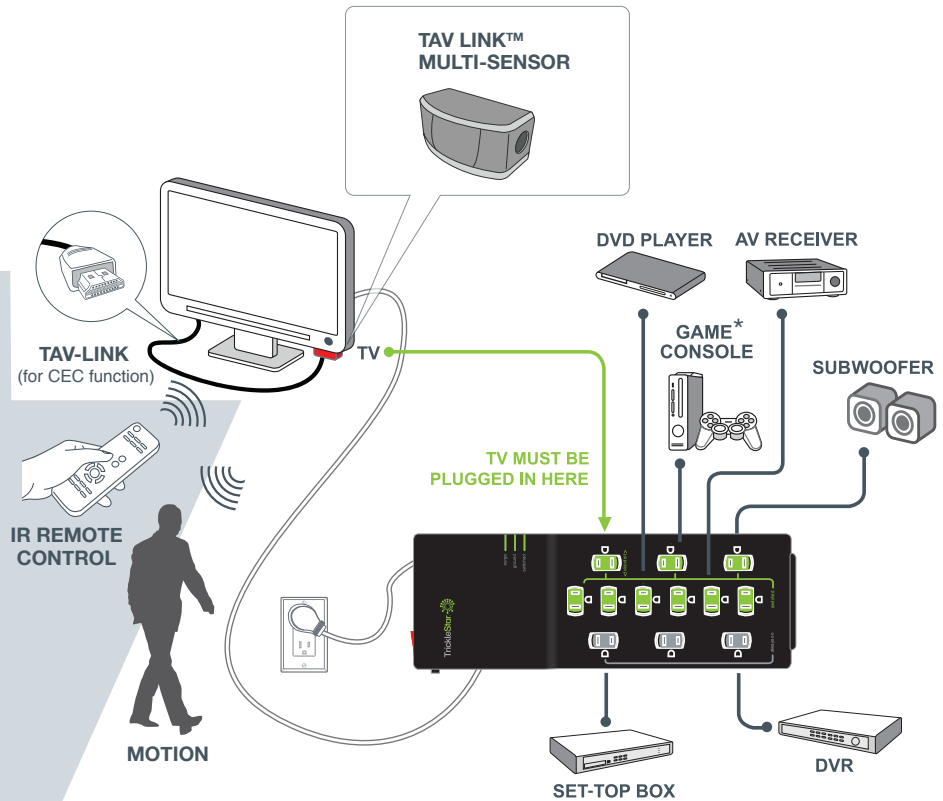**IR REMOTE CONTROL**

MOTION

SET-TOP BOX

DVR

Programming the Countdown Timer

To configure the countdown timer, press and hold the button for 10 seconds until the red LED illuminates. Then press:
- Once for 30 minutes (IR + motion sensing)
- Twice for 60 minutes (IR + motion sensing)
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- Four times for 60 minutes (IR sensing only)
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LED will flash once for 30 minutes, twice for 60 minutes (default setting), three times for 120 minutes, four times for 60 minutes (IR sensing only) and five times for 120 minutes (IR sensing only).

* Game consoles without hard disk drives (HDD) should be plugged into a switched outlet. CEC compatible game consoles with hard disk drives can be plugged into an always-on outlet and controlled via TAV-Link.

Product Overview

1 **TAV Link™ Multi-Sensor**
The multi-sensor is connected to the powerstrip via the RJ11 port marked "sensor." Mount the multi-sensor on the underside of the TV near the IR receiver on the TV (typically located next to the TV's power on/off button). The multi-sensor must be located within line of sight of where you normally use your remote controls.

2 **Sensor/RJ11 Port**
Plug the TAV Link™ multi-sensor into this port.
There will be a soft audible 'click' when the connector is inserted correctly.
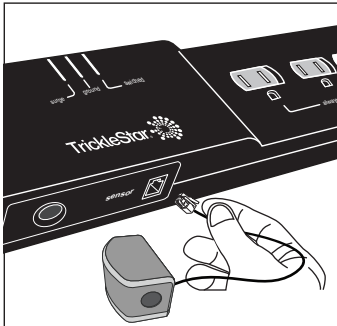
3 **Switched Outlets**
If there is no IR or motion detected, these outlets will switch off.

4 **TAV-Link Cable (optional, not supplied)**
If there is no IR or motion detected, TAV-Link will send high-level CEC commands to certain HDMI connected devices, allowing them to safely store their data and settings prior to powering down
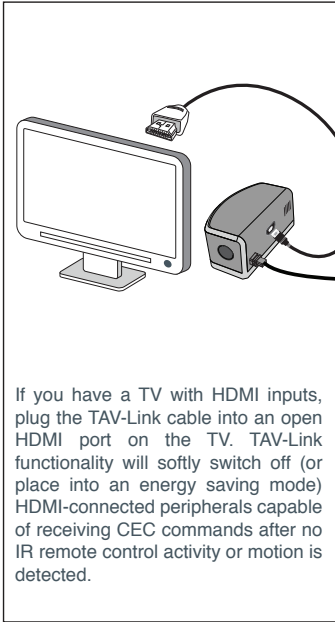
Installation Instructions

Step 1

Plug the multi-sensor into the port on the side of the power strip that looks like a phone jack and marked "sensor".

Step 2

If you have a TV with HDMI inputs, plug the TAV-Link cable into an open HDMI port on the TV. TAV-Link functionality will softly switch off (or place into an energy saving mode) HDMI-connected peripherals capable of receiving CEC commands after no IR remote control activity or motion is detected.
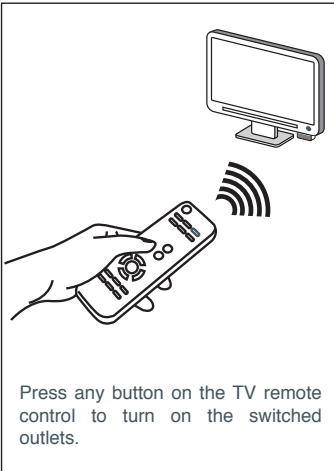
Step 3
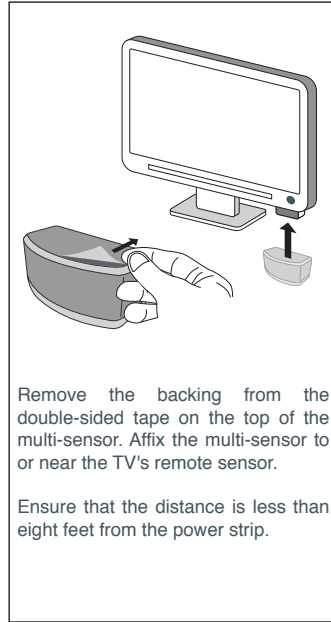
Remove the backing from the double-sided tape on the top of the multi-sensor. Affix the multi-sensor to or near the TV's remote sensor.
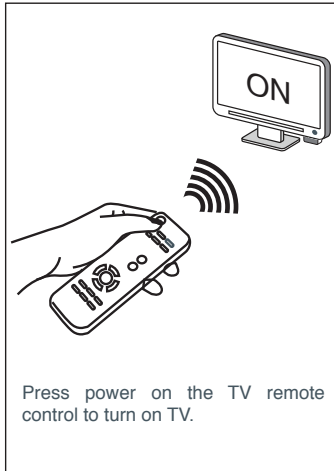
Ensure that the distance is less than eight feet from the power strip.

Operation - TV Mode
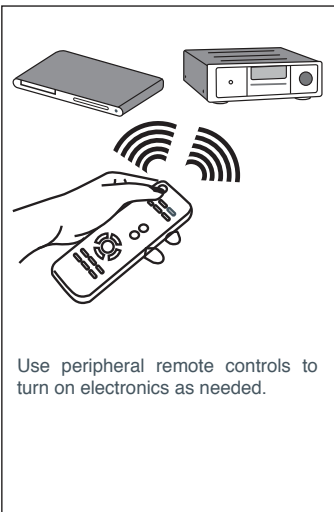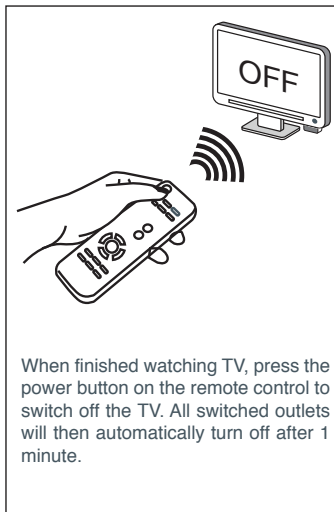
Step 1

Press any button on the TV remote control to turn on the switched outlets.

Step 2

Press power on the TV remote control to turn on TV.

Step 3

Use peripheral remote controls to turn on electronics as needed.

Step 4

When finished watching TV, press the power button on the remote control to switch off the TV. All switched outlets will then automatically turn off after 1 minute.

Energy Saving

IR + Motion Sensing

```
User presses IR
remote control
        │
        ▼
Switched outlets
  switch on
        │
        ▼
 User switches
     TV on
        │
        ▼
15/30/60 min countdown timer
        starts
  IR remote control button
     press detected?
     │              │
   [Yes]          [No]
        │
        ▼
Next 15/30/60 min countdown
    timer starts
  IR or motion detected?
     │              │
   [Yes]          [No]
        │
        ▼
TV & peripherals switch off

TAV-Link sends commands to soft-switch
off HDMI-connected peripherals plugged
into the always-on and switched outlets
```

ALERTS START
Buzzer sounds at 10 min and 3 min before countdown timer expiration.
Red and blue dual-color LED flashes

Terms
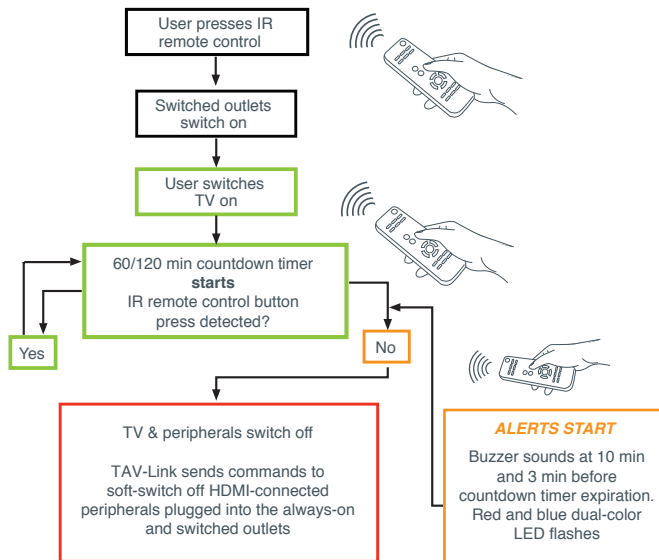
IR	-	Infrared remote control signal
PIR Sensor	-	Multi-sensor uses passive infrared sensing to detect motion
Motion	-	Motion detected by PIR
Countdown Timer	-	Time before the switched outlets are automatically switched off
Countdown Period	-	30/60/120 minutes (default - 60 min.)
LED	-	Red and blue dual-color LED located in multi-sensor
	-	When IR or motion is sensed, the red LED will flash
Buzzer	-	Buzzer located in the multi-sensor

Countdown Timer Operation

- For the first 15/30/60 minutes - the multi-sensor senses for IR only.
- For the next 15/30/60 minutes - the multi-sensor senses for IR signal and motion.
- If no IR or motion has been sensed during the 30/60/120 minute countdown period, the switched outlets will switch off automatically.

Energy Saving

IR-only Sensing

User presses IR remote control

↓

Switched outlets switch on

↓

User switches TV on

↓

60/120 min countdown timer **starts**
IR remote control button press detected?

Yes / **No**

TV & peripherals switch off

TAV-Link sends commands to soft-switch off HDMI-connected peripherals plugged into the always-on and switched outlets

ALERTS START
Buzzer sounds at 10 min and 3 min before countdown timer expiration. Red and blue dual-color LED flashes

Terms

IR	-	Infrared signal, transmitted by a remote control
IR Signal Sensor	-	Multi-sensor senses for an IR command
Countdown Timer	-	Time before the switched outlets are automatically switched off
Countdown Period	-	60/120 minutes
LED	-	Red and Blue dual colour LED located in multi-sensor
	-	When IR is sensed, the Red LED will flash
Buzzer	-	Buzzer located in the multi-sensor

Countdown Timer Operation

- For the 60/120 minutes - the multi-sensor senses for IR signal.
- If no IR has been sensed during the 60/120 minute countdown period, the switched outlets will switch off automatically.

Operation

Music Mode
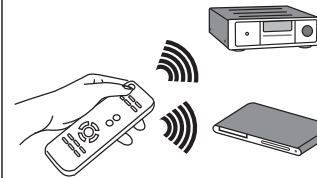
Press any button on AV receiver or set-up box/DVD/CD player remote control to turn on the switched outlets.

Press power on all music related devices to switch them on.

Note:

- If the TV is not switched on at any time in between, all switched outlets will turn off after eight hours.

- If the TV is switched on during music mode, the Advanced PowerStrip+ will switch to TV mode.

Countdown Timer Setting
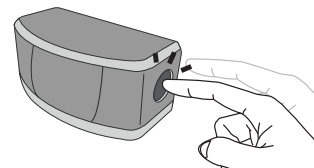
To configure the countdown timer, press and hold the button for 10 seconds until the red LED illuminates. Then press:
- Once for 30 minutes (IR + motion sensing)
- Twice for 60 minutes (IR + motion sensing)
- Three times for 120 minutes (IR + motion sensing)
- Four times for 60 minutes (IR sensing only)
- Five times for 120 minutes (IR sensing only)

After countdown timer is set, the LED will flash the number of times that timer has been set to.

Note:

The sensor has a default buzzer notification that will sound at both 10 minutes and 3 minutes prior to countdown timer expiration. To disable the audible notification, press and hold the button for 10 seconds until the red LED illuminates, then press the button six times. The red LED will flash six times to confirm that the countdown timer buzzer has been disabled.