



**White Paper:**

**SmartPower<sup>3</sup> with AutoSense, ESP &  
Low Power Standby Settings**

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## Applicability

Some of the features described in this document are applicable only to the 5561 and 5581 families of TVs. They are not available to the 5560 or 5860 (or previous) families of TVs.

## What is SmartPower<sup>3</sup>?

SmartPower<sup>3</sup> is a feature which enables the TV to be easily placed in modes which consume less power. By offering the option of AutoSense, a light sensor that measures room conditions in real time, SmartPower<sup>3</sup> can vary the power consumption and optimize picture settings in real time based on room conditions. SmartPower<sup>3</sup> with AutoSense represents a significant improvement on previous static only approaches. The feature has 8 distinct settings: OFF, OFF with AutoSense, LOW, LOW with AutoSense, MEDIUM, MEDIUM with AutoSense, HIGH and HIGH with AutoSense.

SmartPower set to OFF – No reduction is applied to the backlighting.

SmartPower<sup>7</sup> set to LOW – A small amount of reduction is applied to the backlighting. The visual effect is not typically noticeable, but the TV's power usage is reduced.

SmartPower set to MEDIUM – A moderate amount of reduction is applied to the backlighting, and the picture gets 'darker'. This setting will generally yield a power reduction of up to 10% more than the "LOW" setting.

SmartPower set to HIGH – A large amount of reduction is applied to the backlighting, and the picture darkens. This setting maximizes power reduction.

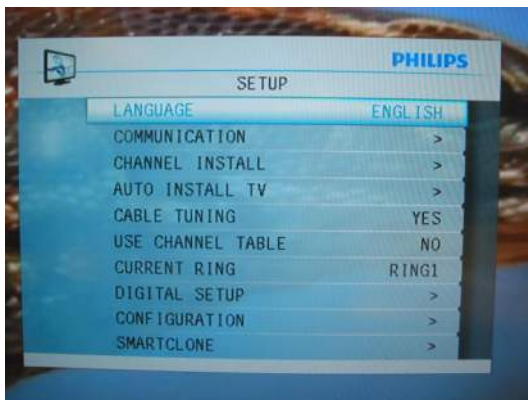
Percentages reflect a 32HFL5561V/27 with AutoSense set to ON, using factory default values for picture settings, and using IEC62087 10-minute clip as basis of video input (as per Energy Star measurement criteria).

## How do I configure the SmartPower<sup>3</sup> with AutoSense settings?

There are two steps to optimizing the power consumption of your Philips TV's. First you will select an overall SmartPower level (OFF/LOW/MEDIUM/HIGH). Then you must set AutoSense to either ON or OFF.

## How do I turn on/off SmartPower?

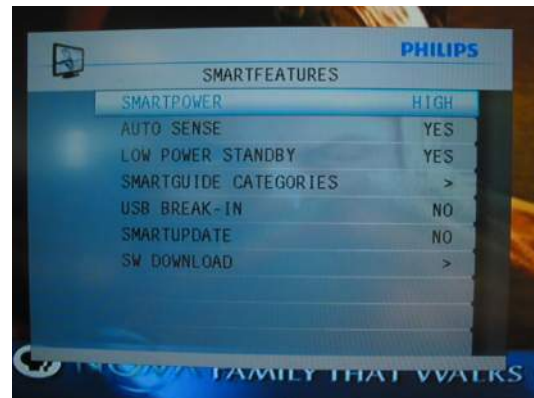
Using the setup remote, RC2573GR, with the side slider selector set to "Setup," press "M" to enter the setup menu. You will see a screen that looks like this:



Press the ▲ button twice to navigate to Configuration (2<sup>nd</sup> from bottom), and then press the ► button to enter the Configuration menu. Use the ▼ arrow to navigate to SmartFeatures, then press the ► button to enter the SmartFeatures menu.



The first line, seen in the screen below, shows the current SmartPower status. Press the ► button to cycle through the different values: OFF -> LOW -> MEDIUM -> HIGH -> OFF



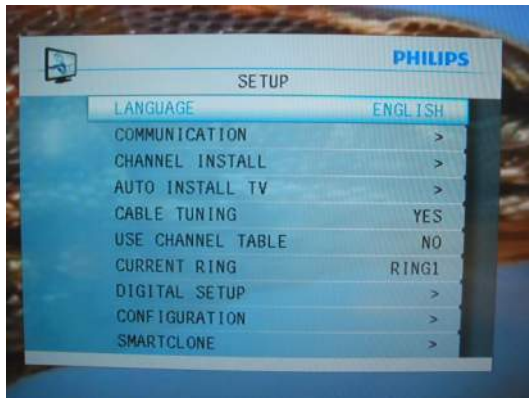
After setting the SmartPower level, back out of the menu system by pressing "M" to access the previous menu. The menu system is exited after the 3<sup>rd</sup> press of "M".

Next, you will select whether to allow AutoSense to further adjust the television picture settings and power consumption based on real time room conditions.

## How do I turn on/off AutoSense?

Using the setup remote, RC2573GR, with the side slider selector set to "Setup," press "M" to enter the setup

menu. You will see a screen that looks like this:



Press the ▲ button twice to navigate to Configuration (2<sup>nd</sup> from bottom), and then press the ► button to enter the Configuration menu. Use the ▼ arrow to navigate to SmartFeatures, then press the ► button to enter the SmartFeatures menu.



Use the ▼ arrow to navigate to the second line, seen in the screen below, which shows the current Autosense status. Press the ► button to toggle the feature's status YES/NO. YES = on, NO = off.

After setting the SmartPower level, back out of the menu system by pressing "M" to access the previous menu. The menu system is exited after the 3<sup>rd</sup> press of "M".



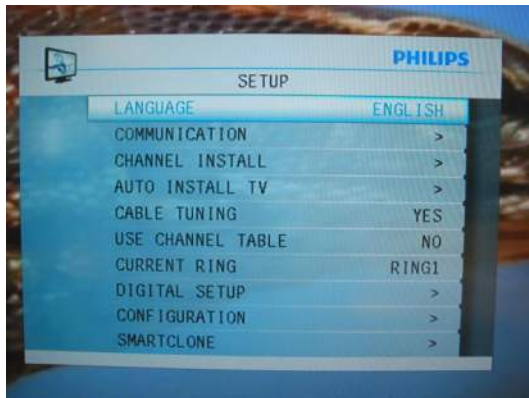
## What is ESP?

ESP is Philips Energy Savings Programmability. ESP allows the set to turn itself off when not in use to save even more energy when guests or maids leave televisions on for long periods while the room is vacant.

The set will automatically place itself into Standby mode if there is no remote control interaction with the TV within the specified number of hours. This timer is reset after the reception of every IR command.

## How do I set ESP?

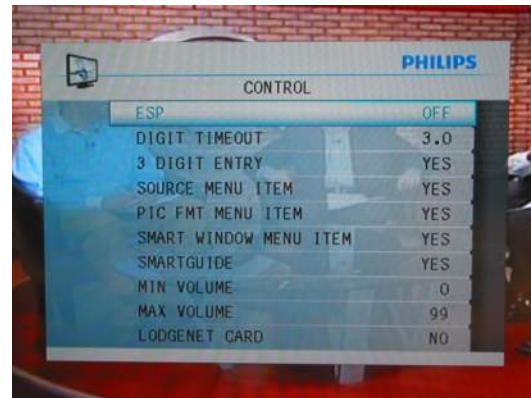
Using the setup remote, RC2573GR, with the side slider selector set to "Setup," press "M" to enter the setup menu. You will see a screen that looks like this:



Press the ▲ button twice to navigate to Configuration (2<sup>nd</sup> from bottom), and then press the ► button to enter the Configuration menu. Use the ▼ arrow to navigate to Control, then press the ► button to enter the Control menu.



The top item is ESP. Use the ► button to set the feature's status. Settings are OFF, 1, 2, 3, ....98, 99. The number represents how many hours of remote control inactivity before the set will automatically place itself in Standby mode.



After setting ESP, back out of the menu system by pressing "M" to access the previous menu. The menu system is exited after the 3<sup>rd</sup> press of "M".

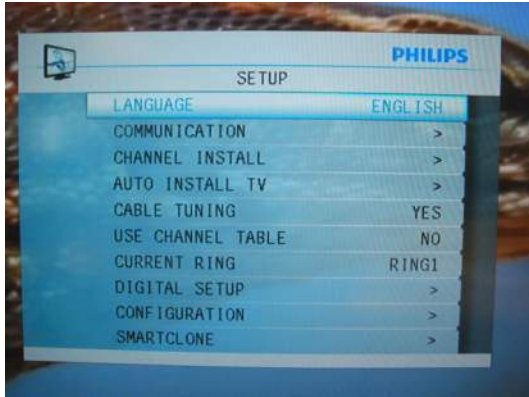
### What is Low Power Standby?

Low Power Standby is a setting which enables the TV to go into a very lower consumption mode when placed in standby. This feature is one which helps the TV achieve its Energy Star 3.0 compliance.

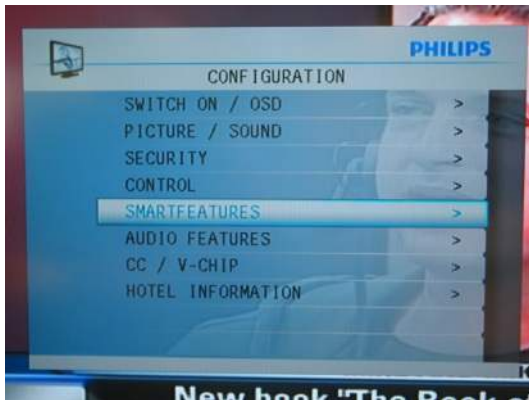
When Low Power Standby is enabled, the time it takes to display video after being powered on is lengthened. This is because some circuits are shut down completely, and the set must go through a more lengthy start up routine. When Low Power Standby is disabled, it is placed in a higher power consuming standby mode, and the audio and video is enabled much quicker.

### How do I turn on/off Low Power Standby?

Using the setup remote, RC2573GR, with the side slider selector set to "Setup," press "M" to enter the setup menu. You will see a screen that looks like this:



Press the ▲ button twice to navigate to Configuration (2<sup>nd</sup> from bottom), and then press the ► button to enter the Configuration menu. Use the ▼ arrow to navigate to SmartFeatures, then press the ► button to enter the SmartFeatures menu.



Use the ▼ arrow to navigate to the third line, seen in the screen below, which shows the current Low Power Standby status. Press the ► button to toggle the feature's status YES/NO. YES = on, NO = off.

After setting the SmartPower level, back out of the menu system by pressing "M" to access the previous menu. The menu system is exited after the 3<sup>rd</sup> press of "M".



### How do I set up a TV for the lowest possible power consumption?

In order to obtain the lowest possible power consumption while maintaining the optimum viewer satisfaction, the following three settings are suggested:

1. Set SmartPower to HIGH.
2. Set Autosense to YES.
3. Set Low Power Standby to YES.

Refer to the appropriate section above for detailed instructions on making these adjustments.

## SmartPower<sup>3</sup> with AutoSense, Low Power Standby & ESP Cheat Sheet

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### SmartPower<sup>3</sup> with AutoSense:

Setup → Configuration → SmartFeatures → SmartPower  
Set SmartPower to OFF/LOW/MEDIUM/HIGH  
Navigate down to AutoSense  
Set AutoSense to YES/NO

### If only changing AutoSense setting:

Setup → Configuration → SmartFeatures → AutoSense  
Set AutoSense to YES/NO

### Low Power Standby:

Setup → Configuration → SmartFeatures → Low Power Standby  
Set Low Power Standby to YES/NO

### ESP (Energy Savings Programmability):

Setup → Configuration → Control → ESP  
Set ESP to desired value (OFF, 1, 2, ...99 hours)