How to best use TV models AV-56WP94 and AV-65WP94

What's ATSC?

ATSC, which stands for Advanced Television Systems Committee, is a broadcasting system of terrestrial digital broadcasting. To receive ATSC, you need an antenna. An indoor antenna is able to receive a signal, but use of outdoor antenna is recommended. You can also receive a signal by Cable, but service may not be provided by certain Cable companies. Ask your cable company for more information.
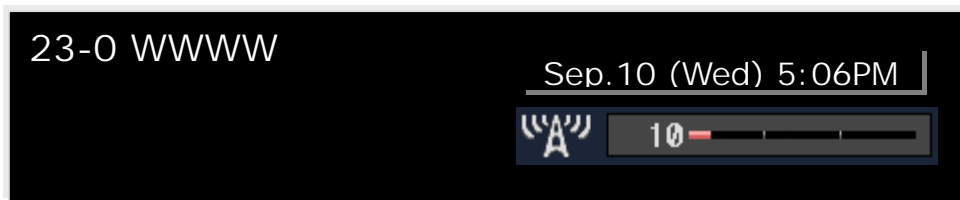
How to receive ATSC

In order to receive an ATSC signal, you must first run the AUTO TUNER SETUP available in the "Interactive Plug In Menu" or regular "Menu" on your TV. When the Auto Tuner Setup is executed, the level indicator of the Scan Menu can be set at a higher sensitivity than the normal range. In this case, an ATSC capable channel may be set at a high level, but the real level may be too low to receive the ATSC signal. Under these conditions, you will not be able to receive that channel. If this happens, please follow the steps below, "How to Adjust Your Antenna" in order to receive your channel.

How to Adjust Your Antenna

If you can not receive your requested channel, please try following the steps below to adjust your antenna.

1. Check the RF Channel of your requested Channel, and input the channel as DCS##. (## is the channel number which you want to receive.)
2. If you can't receive a signal, press the OK key. Then, the following banner will appear. This channel banner appears for at least 1 minute. Pressing and holding the up/down and left/right key will make the banner remain continuously

3. Adjust your antenna to set the signal level to the maximum.
4. Once the level indication of the banner reaches the maximum, DSC## needs to be operated again. Then you can select your requested channel.

5. After the channel is received successfully, you then need to manually add this channel to the CHANNEL SUMMARY of the MENU. After this, the channel can be selected by up/down keys.

6. Be aware of the following:
- The best direction of the antenna varies according to the broadcasting stations. You can retrieve some important information such as your regional broadcasting stations, broadcasting channels, and the best direction of the antenna by inputting your address or Zip code at the following HP. http://titantvretailzone.com/rz/RetailZone/main.asp.
- Basically, your requested channel can be received if there is a strong enough signal level to receive it. However, sometimes you might not be able to receive a channel depending on the receiving environments or surroundings (Ghost or other adjoin channel).
- Sometimes, a major channel number is changed in some broadcasting stations. In this case, you can receive the channel by direct channel selection but the old channel number will remain in the EPG screen. To erase the channels, you need to execute the AUTO TUNER SETUP again. At this time, you need to execute the AUTO TUNER SETUP only on Digital channels by setting the ANALOG TUNER to SKIP.

Channel Number Display

Regarding ATSC broadcasting channels, the RF channels that are now broadcast and the channels that are displayed on screen are sometimes different from each other. With this TV, channels that are received once and stored in the CHANNEL SUMMARY will be used as the database, and the information will be memorized. After this, every channel number can be selected, but the channel indications that broadcasting stations express will take priority.

The Channel up/down on the remote control will only scan RF channels. Sub channels will be skipped. Up/down of Sub channels will scan all ATSC channels.

Also, if you turn the power off while receiving Sub channels, or if you execute CH Return, channel receiving will start from the main channel of the channel.

In this TV, on the screen display **(D##)** means RF channels. (## is the channel number which you select.)

ML (Multilanguage)

There is "Multilanguage" in ATSC broadcasting. If there is an indication of Multilanguage in broadcast mode, press the ML button and "NEXT" will be displayed on screen, and the other audio program can be selected. If ML button is pressed for a channel with no Multilanguage indication, "NEXT" will still appear.

CC (Closed Caption) Display

CC of ATSC broadcasting will be displayed correctly only when choosing FULL mode and REGULAR mode. When receiving ATSC broadcasting, the indication will be based on EIA-708. Sometimes Closed Captioning might be displayed incorrectly depending on the broadcast.

Monitor out

CC signals are added in this TV's Monitor out (NTSC) in order for the indications based on EIA-608. Sometimes it might be displayed incorrectly depending on the broadcast. Sometimes CC data will appear on the upper side of a screen depending on the broadcasting station while receiving ATSC.

When not receiving a TV broadcast

When not receiving a TV broadcast, follow the next steps.

1. Turn the TV off with the remote control. Wait for a while and turn the power back on.
    (If you are unable to turn the power off with the remote control, please disconnect the power cord from the outlet and wait a few moments before plugging it back in.)
2. Select your requested channel.
3. If there is no picture on screen, try selecting other channels. If no channel will be selected, adjust the antenna, and then execute AUTO TUNER SETUP again. If you still can't receive any channels, there may be a malfunction. In this case, talk to your dealer.

If the TV can receive signals from other broadcasting stations and receive your requested channels, press the OK button. When the signal level is strong enough, check if "No Program" is displayed on screen. If "No program" is displayed, this means there is no data in the broadcast. In this case, AUTO TUNER SETUP needs to be executed again, or you need to select the broadcast again after the broadcasting station restarts their program.

Others

When receiving ATSC or playing back i.LINK, this TV's self-diagnose function will operate if the TV senses and detects an unusual while receiving signals. The Reboot function will automatically execute when necessary. At this time, picture and audio will stop for about 10 seconds, and any timer-recording programs will also be canceled.

What's EPG ?

EPG, stands for Easy Programming Grid, which is a function that allows you to record a TV

program easily or set a viewing timer using the program information sent by an ATSC broadcast. This TV can also receive content information of TV programs, too. However, sometimes the information might not be sent properly or not be displayed properly depending on the broadcasting stations.

EPG also allows you to record a program by connecting an Analog recording device, or to record in D-VHS mode by connecting using i.LINK. With an Analog connection, you need to set a recording timer on the VCR as well. With regard to EPG functions, please note the following things.

Recording and timer recording by EPG

You can set the Rec Timer View Timer easily. The View timer is available only when TV power is set to ON. If the clock time passes a programmed time, the timer program will be erased. This TV executes the timer indicator of ATSC and the timer-recording operation based on time information that is sent by a broadcasting station. Sometimes, the time information might be wrong depending on the signal of that broadcasting station. Therefore, please be aware of the following things regarding the timer recording operation.

- When trying a timer recording, if you turn the TV off from a channel which was sending the wrong time, the timer recording will not operate as you set it, even though the programmed time passes the actual time. Be careful with the time indicator of broadcasting stations.

- While you watch a program which is broadcast in a wrong time, you might not be able to check the other broadcasting station's TV program list by EPG. This is because there is a big time difference among each broadcasting station.

- Using Easy Rec Timer, if a timer recording is set for a program which has already starting its broadcast, the timer recording will start right after you complete setting the timer recording. However, if the TV program will be over within 3 minutes, the timer recording will not operate.

- Once a timer recorded program starts, a channel of the ATSC tuner can not be changed. Also, it's impossible to display EPG during recording.

- If you want to stop a timer recording which has already starting recording, you need to delete the timer program from Timer List.

- It's impossible to edit a timer setting that is set by EPG because the timer setting is recognized as its event's timer setting. It's possible only to delete the timer setting.

Manual recording and viewing

Please note the following things when you set a timer recording manually

- In case of manual setting, it's impossible to set a serial timer setting. Therefore, when setting

the timer recording of a serial TV program, the ending time of the first program needs to be shortened by 1 minute, or the starting time of the next program needs to be delayed by 1 minute. Further, it's possible to set a timer recording of serial TV programs using EPG system.

- When setting "Stop Mode" in "Event" with the manual record setting, you need program information from EPG. If you set a timer recording of a program which has no program information, you only can select "Manual" for "Stop Mode". Furthermore, when setting a timer recording in "Event", it's impossible to set Daily, Weekly, or Mon-Fri. Press BACK when editing the timer recording in "Event".

- When setting recording or timer recording, the default setting of the starting time is the current time. If you want to start recording from the present time immediately, please be aware that it's impossible to set the start time if it passes the displayed current time.

About i.LINK.

The TV supports the copy protection technologies of DTLA (Digital Transmission Licensing Administer). It is impossible to record copy-limited broadcasting signals. When connecting to other devices, only the operation of devices which support DTLA is guaranteed. In this TV, also the picture of NTSC (480i) will not be outputted from the rear panel i.LINK port in order to protect the copyrights. (If you need this function, you need to use the component output of D-VHS deck and set it to 480i in DVHS deck menu).

Connectable devices

Currently, the i.LINK function of this TV can only be used for D-VHS decks. In the future, other devices may become available to utilize i.LINK. This TV can connect with JVC High Definition Camcorder GR-HD1 in MPEG mode through i.LINK, and you can use the fundamental functions, but you can not use in GR-HD1 in DV mode. (This TV is not able to recognize DV signal .) If you have trouble when connecting 2 or more JVC D-VHS devices, please set the LINC function of JVC D-VHS to off.

Recording while monitoring the output of D-VHS and Recording control from D-VHS

Normally you can record a program through the i.LINK/Timer menu on this TV. You can record a program with your VCR while monitoring D-VHS and control that recording with your TV or VCR

remote. However, if you are unable to monitor the program you wish to record, please push the STOP key within the control menu of i.LINK/Timer. Once you push STOP, you should be able to record the program. This operation will be needed especially for multi-channel broadcasting situations. In the case of this recording way, you can change a channel and display EPG. Please refer to "Recording and timer recording by EPG" on page 4.

Device recognition

i.LINK recognizes a connected device automatically. Also, this TV is recognized as a tuner by other i.LINK devices because it takes a role of tuner. This TV can not recognize other tuners; therefore, other tuners will not be listed in this TV's "Device List". Hence, it's impossible to watch a program on this TV which is received by another tuner connected via i.LINK.

AutoPlay function

This TV has an AutoPlay function for D-VHS playback. While AutoPlay is set to on, this TV will also be in i.LINK playback mode automatically as D-VHS is in playback mode. On the other hand, if AutoPlay is set to off, it's impossible to watch a picture played back by D-VHS, unless you press the Play key in the Controller Menu of the i.LINK/Timer.