



Instructions for do-it-yourself RTS viewers how to re-point their satellite antenna (dish) from

(SES-1) AMC4 @ 101.0° W to the new satellite **(Galaxy 19) TELSTAR5 @ 97.0° W**:

You can find your coordinates according to your zip-code on the Internet:

<http://www.emantechnology.com/lookangle.asp>

Step One: Calculate the required adjustments (DIFFERENCE)

1. Enter your zip-code first under **(SES-1) AMC4 @ 101.0° West**
2. Click on: **Calculate Look Angle**
3. Enter values into the below table under **GALAXY-19 @ 97**
4. Press the arrow to change to satellite **(Galaxy 19) TELSTAR5 @ 97.0° West**
5. Enter your zip-code
6. Click on: **Calculate Look Angle**
7. Enter values into the below table under **GALAXY-19 @ 97**
8. Calculate the difference between the satellites: **GALAXY-19 – SES-1**

(see example for zip-code 34235)

ADJUSTMENT	GALAXY-19@ 97°	AMC4@101°	DIFFERENCE
Elevation	54.2	52	- 2.2
Polarization Tilt or Skew	25.8	31.5	5.7
(90+Polalization)	115.8	121.5	5.7
Azimuth	211.7	218.4	6.7

You can purchase a satellite finder on-line to make finding the satellite easier:

http://www.pacificcable.com/Picture_Page.asp?DataName=200-992



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www.rts-america.com



Step Two: Replace your receiver

1. Disconnect your old receiver from the electrical outlet
2. Place your new receiver near to the old receiver
3. Carefully remove and reconnect cables/wires one at a time from the old receiver into the new receiver's corresponding terminals
4. Plug in the power cord of the new receiver to the electrical outlet. Please note: the new receiver has an **ON** and **OFF** electric power switch next to the electrical power-cord in the back of the receiver
5. Insert the new batteries into the Remote Control of the new receiver
6. Turn on the receiver box by pressing the **Power** (red) button on the Remote Control

Step Three: Adjust your antenna settings according the Difference values

1. If you have negative (-) value in the Difference column that means your new value will be that much less than the present setting; if your Difference value is positive, your new setting should be that much higher
2. Mark your present setting before you do any adjustment to your antenna
3. Unscrew your elevation setting and adjust to the new value then tighten the screw back to hold the new setting
4. Do the same with the Skew setting if that was used before. If the Polarization Tilt was used instead of the Skew, adjust that value
5. Adjust the Azimuth value and secure the screw not very tight, leave yourself a chance to move it a little in the final tuning steps, when you want to achieve the highest quality signal

Step Four: Fine tuning/getting the best possible signal

1. Aim your Remote control to the receiver box and press **MENU**
2. Scroll up or down until Installation is highlighted and press **ENTER**
3. Please insert the password: 0000, four zeros
4. Scroll up or down until Auto Search is highlighted and press **ENTER**
5. The press the red button on your remote labeled D/A for Start Scan
6. Once the Auto Search for new channels is complete it will return back to the previous screen with the satellite details.
7. Press the MENU button several times until you get out of the MENU screens.

You should now see programming on your television. Switch the channel to RTS.