

Motorized FTA system set-up

Dear valued customer. Thank you for your purchase of a Fortec Star **MOTORIZED** Satellite system. Once you have set up your system you will enjoy many hours of FREE Satellite broadcasting from the U.S. and around the world. Here are a few simple steps to follow:



Dish Alignment Quick Start:

Motorized Dish Instructions:

1. Assemble your [dish](#).
2. Mount your HH Motor on the mast. Make sure mast is 100% plumb (vertical) and solid.
3. Mount your dish on motor.
4. Install your LNBF on your dish. Do not tilt or skew the LNBF
5. Get the instructions and pointing angles from the motorized set up guide on our website. <http://www.sadoun.com/Sat/Installation/HH-mount-installation.htm>
 - i. You can access that page on our website by selecting the green tab “**Setup Support**” at the top of our website.
 - ii. Select **Aiming Motorized Dish (calculate angles)**
 - iii. Watch the video and **begin following the instructions**
6. Calculate your Aiming angles here: <http://sadoun.com/Sat/Installation/Satellite-Heading-Calculator.htm>
 - i. Enter your zip code
 - ii. In bottom window select your motor type from the drop-down menu
 - iii. Select “GO” and write down your latitude, longitude, dish elevation and magnetic south:
7. Set Motor elevation same as latitude (use latitude scale on motor bracket)
8. Set Dish elevation (do not subtract declination)
9. Point entire assembly at **magnetic south** on the compass

Receiver Quick Start:

1. Connect your receiver to the Motor using RG6 coaxial cable. Make sure the receiver is "OFF" when you do that.
2. Turn your receiver "ON"
3. The highlight will be on “Antenna Setup” by default (Pic 1). Click OK on the remote.
4. The receiver is setup by default for Galaxy 25 - 97W and UNIVERSAL LNBF



Pic 1 Pic 2 Pic 3 Pic 4

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- B. LNB type: What color is your SADOON LNBF?
 - a. If it is dark colored set type to UNI (Default)
 - b. If it is light colored set type to 10750
 - c. If you have an Invacom Quad (4 ports) 2 say "L" / 2 say "C" Connect an "L" to your motor and use 10750 for Inb type
5. Change transponder to 11874 or 12122. Leave the rest of the settings as is.
6. Set Positioner to USALS and click OK on USALS:
 - A. Scroll down in that menu and enter your Latitude and Longitude values.
 - B. The motor now will move the dish a few degrees and stop.
7. Now adjust your TRUE SOUTH angle by hand until you see the "Signal Quality" bar appears in **GREEN**.
8. Note: If you don't see the "Signal Quality" bar that means your dish is not aligned to the correct satellite. Adjust the dish elevation 1 degree at a time up or down, then try again adjusting your TRUE SOUTH angle slowly. Only when you have a perfect alignment to the desired satellite is when you will see the "Signal Quality" bar turn **GREEN** as shown in the pictures above (Pic 3).
9. Once you have the highest "Signal Level" and "Signal Quality" (the goal is >40%), press the "P. SCAN" button on the remote to perform a power scan on the satellite for all available FTA channels. A new screen will show the scan progress (Pic 4).
10. When the scan is completed, the receiver will save the data.

If you need more help you can call for technical assistance For after hours help go on line into our technical forums at www.sadoun.net

While the installation is not difficult, it does require that you have some experience in electrical wiring and minor construction techniques. Also, you may have to climb a ladder, so you'll want to be comfortable working with heights. Most of our customers have successfully installed the satellite system by themselves.

Installation of the system is entirely your responsibility. Guidelines and tips provided on this website are intended to help you achieve a successful installation of your new satellite system. You are advised to consult a professional installer if you need more support.

Professional Installation is recommended if you have difficulty locating and locking on your favorite satellite. After you have purchased the satellite system, you may contact a professional to install the system for you. There is a fee for installation. You can also look in the local yellow pages under "satellites" for local installers in your area.

Note: Make sure to ask if the installer you want to hire has the experience with MOTORIZED FTA system installation.