

**QUICK-START OPERATION GUIDE
FOR SEA TEL MODEL
COASTAL 14 SATELLITE TV RECEIVE-ONLY ANTENNA**

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Sea Tel Marine Stabilized Antenna systems are manufactured in the United States of America.



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Revision History

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A	N/A	February 12, 2006	Initial production release.	MDN
B	N/A	September 26, 2007	Updated satellite switching text	ECM

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1. Quick Start Operation Guide

Detailed information on operating your Coastal Series antenna from the control panel is contained below.

1.1. System Start-Up

Normal operation begins by pressing the **POWER** key and waiting for the antenna to automatically acquire and track the desired satellite signal. After the system has been properly installed and set up, this initialization should take approximately 30 seconds. The following displays may be seen during the start-up of the system.



Figure 1-1 Display Antenna Control Panel

1.1.1. Power-up/Initialization Phase

```
C14 ACP VER 3.00
INITIALIZING T
```

The Model number that has been saved in the PCU will be displayed on the top line. "INITIALIZING" followed by a "o" until the GPS has a valid position. When the GPS has a valid position "INITIALIZING T" is displayed.

1.1.2. Search phase

Next the antenna will automatically search for the last satellite that was used (SAT1-SAT6). It may display some messages as it searches, but will automatically find the satellite if the antenna is not blocked.

1.1.3. Tracking phase

Once the satellite has been found, tracking will begin to keep the signal from the satellite peaked up.

```
Sat1 DTV101 1876
NID FFFE EL 45
```

First line of the TRACKING display will be the information for the satellite which is currently being tracked. In the display example above, the system is tracking the Sat1 satellite selection, named DTV101

(DirecTV at 101W) with a signal strength of 1876 counts of AGC.

Second line of the TRACKING display is the NID currently being received (FFFE) and the current Elevation angle of the antenna (45 degrees).

This display indicates that the system has now entered into OPERATION mode. TRACKING LED is ON.

1.1.4. Switching Satellites

When you change channels on your DirecTV Satellite Receiver, It may be necessary to command the antenna to switch satellites (by pressing the NEXT button on the antenna control panel). You must contact your service provider to determine when the signal is standard or HD video and which satellite to point the antenna to. You will notice a short loss of signal when switching the antenna to the other satellite, a short disruption is normal. If the signal does not come on in 30 seconds, you should check the antenna control panel. The most common reason for the antenna not being able to find the other satellite is blockage.

1.2. *Loss of satellite due to blockage or rain-fade*

If tracking is lost due to blockage or rain fade, the antenna will search until a signal is found which is high enough for the antenna to begin tracking. When the receiver interface is operating properly, the antenna will automatically continue searching until it has acquired the desired satellite.

1.3. *Low Noise Block Converter Operation*

There are no operating instructions or controls applicable to the LNB. This unit is energized whenever the antenna and satellite receiver are energized.

Satellite signals used with this antenna are circular polarized.

1.4. *Radome Assembly Operation*

When operating the system it is necessary that the radome top be properly installed at all times. This prevents rain, salt water and wind from entering the radome. Water and excessive condensation promote rust & corrosion of the antenna pedestal and wind gusts would disturb the antenna pointing.

There are no other operating instructions applicable to the radome assembly by itself.