



Executive



MD500



MHD TV

v.2 Installation Guide

MotoSAT
2343 South 2300 West
Salt Lake City, UT.
84119

info@motosat.com

www.motosat.com

Tele 1-800-247-7486 Fax 1-801-972-7407

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Executive System Installation

**THE INFORMATION IN THIS MANUAL IS SUBJECT TO CHANGE WITHOUT NOTICE.
IT IS INTENDED AS HELPFUL AND SUGGESTED INFORMATION
AND NOT A SOLUTION FOR EVERY INSTALLATION.**

Important: Check with the RV Manufacture for any structural and electrical information you may require before installing this system.

NOTE: These instructions will reference #12 Stainless Steel Screws. Take extra precaution to prevent moisture intrusion into the RV through any holes drilled for the mounting plate attachment or cable entry.

The **MotoSAT** mount, for use with the Executive, comes completely assembled and ready to secure to the roof of the RV.

Take a moment to review and get familiar with all of the parts which come with the system of the **MotoSat**, DBS2 Mount and Executive NOMAD satellite positioner.

Important: Follow carefully the installation instructions! Failure to do so can result in system failure.

WARNING!!! Do not apply POWER to the NOMAD Positioner until the system is completely assembled and wired.

Preparations For Installation

- A. Locate the RF distribution switcher inside the RV. (Some RF switchers may be placed in rather obscure locations.)
- B. Determine the best location for placement of the Executive Positioner and Satellite Receiver. (This location is best near the RF distribution switcher.)
- C. Make sure that 110 VDC is available for the Satellite Receiver and the NOMAD' 12 VDC, 4 Amp power supply. A Power Strip is recommended for ease of resetting the satellite receiver or Nomad Positioner.
- D. Based on (A) and (B) above, determine the best entrance hole location for the Coax (RG-6U) and the NOMAD control cable.

Note: It may also be a good idea, at this time, to determine if the customer intends to add a second Satellite Receiver to the RV now or in the near future. This will determine whether a second coax (RG-6U) cable should be run.

- E. Locate a spot on the roof of the RV where the entire antenna and mounting plate will fit and accommodate the rotational clearance area.

Note: The dish mount **MUST** be installed with LNB end of the mount pointing toward the rear of the RV. See Drawing #1.

- F. Drill a hole large enough for the Coax (RG-6U) and the Control Cable supplied.

- 1. Start by drilling a starter hole from *inside* the RV to the outside.

Note: We recommend **never** drilling the hole from the roof down. A miscalculation can be an expensive repair.

- 2. The sharp edges from around the hole will need to be de-burred to prevent damage when pulling the cable.

- G. Place mount on the roof of RV to meet all clearance criteria shown in Drawings #3 and #4.

Mount Installation Procedure

- I. The mount should be placed on centerline of RV. Use notches in the ends of the plate to center.

- J. Trace the outline of the mount plate and each location of the proposed attachment screw holes onto roof of RV using a pencil.

Note: The Mount Plate has been pre-drilled with 25 mounting holes. Depending on location of roof trusses, composition of the roof and other structural considerations, use as many holes as practical for roof design. (It may not be necessary to use all 25 holes.)

Note: To prevent water leaks, force Dicor sealant into each drilled hole.

- K. Lift the mounting plate and encircle each hole to be used for attachment with Dicor. This will create a “donut” effect and when the mount is placed into position, it will also force the Dicor into the hole of the roof

- L. **Carefully** place the mount back into the outline on roof. Make sure the mount is pointing in the right direction.

Do not press the plate onto the Roof at this time.

- M. Place a screw in each end of the mounting plate to keep it from shifting. Tighten screws just to snug.

Note: Be careful not to over tighten the screws.

- O. Now, tighten all remaining screws.

Note: Coat the heads of all screws with Dicor sealant.

P. Place the NOMAD Positioner and Satellite Receiver into their permanent location and make connections as shown on the NOMAD Positioner base.

Note: To prevent failure, the Satellite Receiver must be in a well ventilated area.

SYSTEM MECHANICAL SPECIFICATIONS

ANTENNA AND MOUNT STOWED POSITION

Mount	Length	35"
Mount	Width	13 1/4"
Antenna	Width	19"
System	Height	Less than 10.5" (STOWED)
Manufacturing composition	Aluminum with Stainless Steel Hardware	

NOMAD POSITIONER (PCU)

Height	1.5"
Width	9.75"
Length	10.75"

ANTENNA ROTATION

Elevation from stowed position	166 Degrees
Azimuth from stowed position	375 Degrees

POWER REQUIREMENTS

When moving in search mode	.6 Amps
When locked on satellite	.1 Amps
When stowed	.02 Amps

ANTENNA STOW

Dish is facing down, with feed arm support and LNB beneath dish.

***SPECIFICATIONS: CURRENT AS OF MAR 08, 2005
AND SUBJECT TO CHANGE WITHOUT NOTICE.***

For any additional detailed information please call **1-800-247-7486**