



SeaTel[®]
Marine Stabilized Antenna Systems

Series 98 / Coastal Series setup procedure for tracking on Pas 09 (Sky Mexico) at 58W.

Electrical Connections:

For Series 98 reference System Block Diagram Document Number 119524*

For Coastal Series reference System Block Diagram Document Number 124665*

Set Up Procedure:

1. Enter “Set up” mode and enter parameters for PAS-09

For Series 98 Antenna:

Auto Threshold: On Sat AGC- Off Sat AGC / 3 Default: **161** (2498SE) or **171** (3098SE)**

Preset A and B: **None**

Sat A Name: **PAS-09**

Sat A V/R: **1380**

Sat A H/L: **1260**

Sat A NID: **0000**

Sat A POL: Geo Location dependant (Antenna Pointing Calculator can be downloaded from Support Site)

Sat A EL: Geo Location dependant (Antenna Pointing Calculator can be downloaded from Support Site)

Sat B Settings can be entered but are not required.

Sat B Name: **PAS-09**

Sat B V/R: **1380**

Sat B H/L: **1260**

Sat B NID: **0000**

Sat B POL: Geo Location dependant (Antenna Pointing Calculator can be downloaded from Support Site)

Sat B EL: Geo Location dependant (Antenna Pointing Calculator can be downloaded from Support Site)

For Coastal Series:

Auto Threshold: **100**

Sat 1:

Name: **Sky-58**

Lon: **58W**

Freq: **1380**

Alt Freq: **0000**

Baud: **30000**

FEC: $\frac{3}{4}$

NID: **0000**

POL Trim: As Required

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2. Set Up SKY IRD (Always refer to manufactures manual for detailed instructions)
 Verify IRD settings: Region: SKY 7, Tone ON, Low Band 9750 and High Band 10600
 From Remote:

- a. Press Menu
- b. Select Advance Setup
- c. Select LNB Setup,
- d. LNB Setup:
 1. Set LO Switching to "Tone"
 2. Set Polarity Method to "Voltage Switched"
 3. Select L.O. (Hi Band)
 4. Set L.O. Frequency High Band 10600
- e. Press Menu
- f. Select Advance Setup
- g. Select Region ID and Set to SKY 7
- h. Save settings and exit IRD Menu

3. Cycle panel power and allow antenna to lock on satellite.

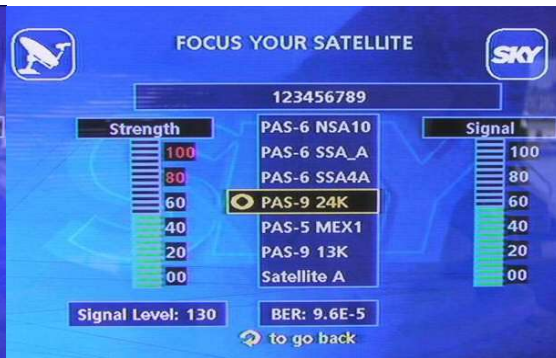


(Fig 1. 3098SE Tracking 58W in Ixtapa, Mexico)

4. Verify Valid "Strength" and "Signal" on both PAS-9 13K and PAS-9 24K***



(Fig 2.1 Signal Meter Pas-9 13K)



(Fig 2.2 Signal Meter Pas-9 24K)



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* Ref System Block Diagram document, Item 12 must be an active Matrix Switch

** See Service Bulletin SB_03-0008 for more information on Auto Threshold adjustments

*** If there is no Signal on PAS-9 13K and PAS-9 24K and there IS Signal on PAS-5 MEX1, Reverse the Vertical and Horizontal Coax connections at matrix switch.