AFN Satellite Realignment & Decoder Reconfiguration Decoder PowerVu D9234

AFN Help Desk
TOLL FREE: 00800 236 268 3662
TUESDAY - FRIDAY 1:00PM - 9:00PM
SATURDAY 10:00AM - 8:00PM
For some countries where the Toll Free number is not available:
COMMERCIAL: +49 (0)621-46085-299
or
DSN (314) 389-4299

Read all warnings and instructions before proceeding.

Warning:
The tasks described in these instructions can be dangerous and can lead to serious injury or death. Do not put yourself in danger, if you do not feel comfortable performing the tasks in these instructions, STOP and call a professional satellite dish installer. You can find local installers through your local exchange, The Stars & Stripes or installation newspaper, host nation phone book / yellow pages or visit afneurope.net

Considerations:
Verify these are the correct instructions for your decoder
Ensure you have permission from the property owner to make these changes
Make sure any roofs or balconies you have to climb or steps are sturdy and can hold you and all necessary tools
Ensure your satellite dish and any supports are in good working order
Use all appropriate safety gear when on a ladder or scaffolding
Perform as many procedures as possible on the ground
If you have to work close to high voltage wiring or telephone lines, call a professional
Do not move the dish in high wind, rain, lightning or any other inclement weather
If you still cannot get the signal after making these changes, call the AFN Help Desk.

Items needed:
Marker
Tools for adjusting satellite dish (Adjustable wrench, pliers or screwdriver)
Pair of cell phones
Assistant to help
Remote control for your decoder

Equipment / Terminology

Satellite Dish - Metal plate used to receive signal from a satellite in orbit

LNB - small piece of equpment that sits on the edge of the satellite dish to send the signal to the decoder

Remote Control - device used to control and make changes to the decoder.
With this decoder, you can use either of the remote controls pictured here.

Step 1 - Reconfigure the AFN Decoder

1.1 While decoder is turned on, press the MENU button on the remote

1.2 On the Main Menu, arrow up to **Receiver Status** and press SELECT on the remote control

Main Menu   2010/05/20 12:00AM

5. EPG
4. Available Services
3. Dish Pointing
2. Receiver Status
1. Exit

Display Receiver Status menu
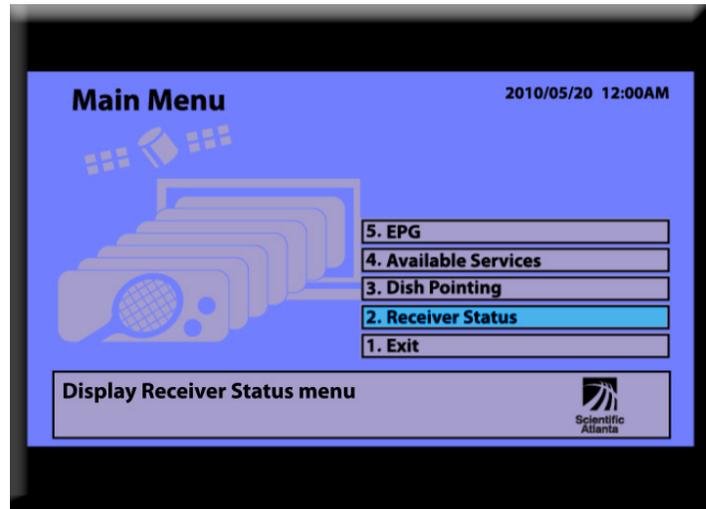
1.3 On the Receiver Status menu, arrow up to **Receiver Setup** and press SELECT on the remote control

Receiver Status   2010/05/20 12:00AM

Network ID	6	Reset ADP
Address	000-199-6405-8	
Smart Card	Not Inst.	
Signal Strength	72	
Signal Quality	0	4. Configuration
Signal State	Not Inst.	3. Receiver Setup
ADP (enc)	0/0	2. User Setup
ADP (non-enc)	0/0	1. Exit

Display the Receiver Setup menu

Freq 10.77500   Pol H   Sym 28.000   3/4
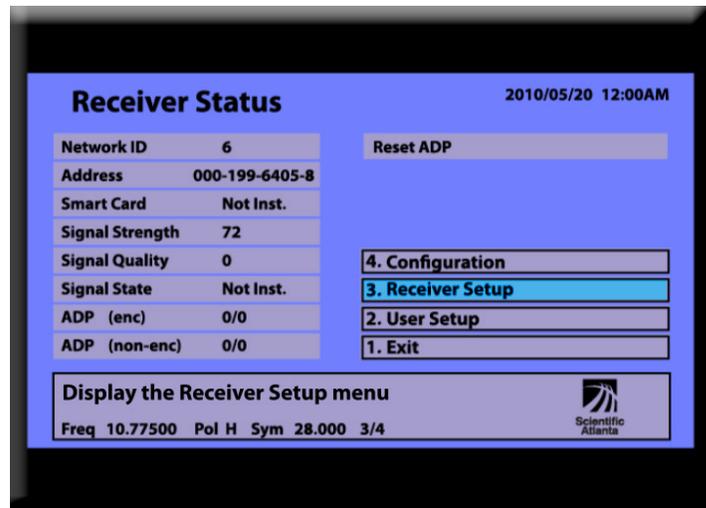
1.4 Once on the Receiver Setup screen, write down the current settings. This will help in the unlikely event the reconfiguration does not work.

Note: as you change the settings, the Signal Strength and Signal Quality may drop to **0** and the Signal State will change to **No Lock** until the reconfiguration and satellite dish realignment are complete.

Receiver Setup   2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	10.77500	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	4
Crossover	11.700	Signal State	Lock,+Sig
Polarization	H	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	28.0000	1. Exit	

Exit the Receiver Setup menu

Preset: 00   Band: Dual KU

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1.5 On the Receiver Setup screen, arrow up and to the right and highlight **Freq Mode,** and ensure it is set for **Downlink**

1.5.1 If it is *not,* press SELECT on the remote control until **Downlink** is displayed

1.5.2 Then press the down arrow to continue.

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	10.77500	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	4
Crossover	11.700	Signal State	Lock,+Sig
Polarization	H	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	28.0000	1. Exit	

Preset: 00 Band: Dual KU
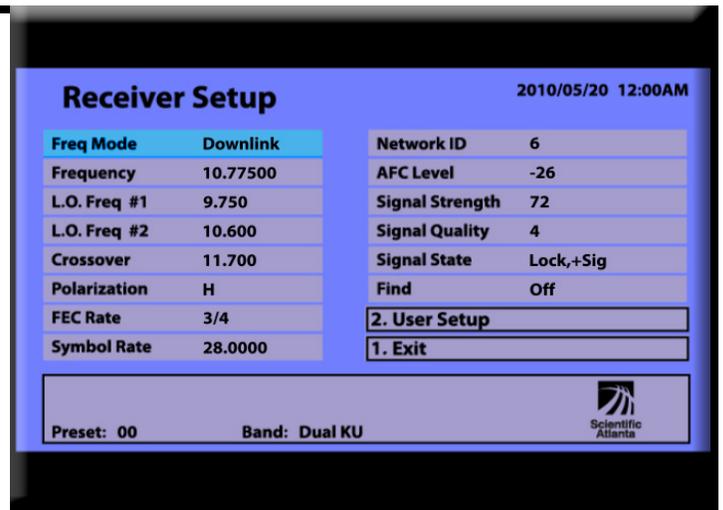
1.6 Arrow down to **Frequency**, press SELECT on the remote control, then using the number pad on the remote type in 1234125

1.6.1 The decimal point will be added Automatically

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	12.34125	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	4
Crossover	11.700	Signal State	Lock,+Sig
Polarization	H	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	28.0000	1. Exit	

Preset: 00 Band: Dual KU
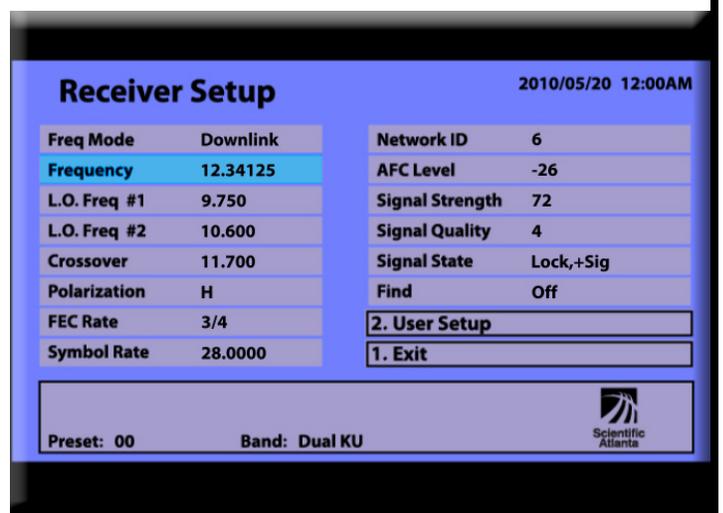
1.7 Arrow down to **LO. Freq #1**, it should be set for **9.750**

1.7.1 If it is *not,* press SELECT on the remote control and using the number pad on the remote control, type in 09750.

1.7.2 The decimal will be added automatically

1.7.3 Press the down arrow to continue

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	12.34125	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	0
Crossover	11.700	Signal State	No Lock
Polarization	H	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	28.0000	1. Exit	

Preset: 00 Band: Dual KU
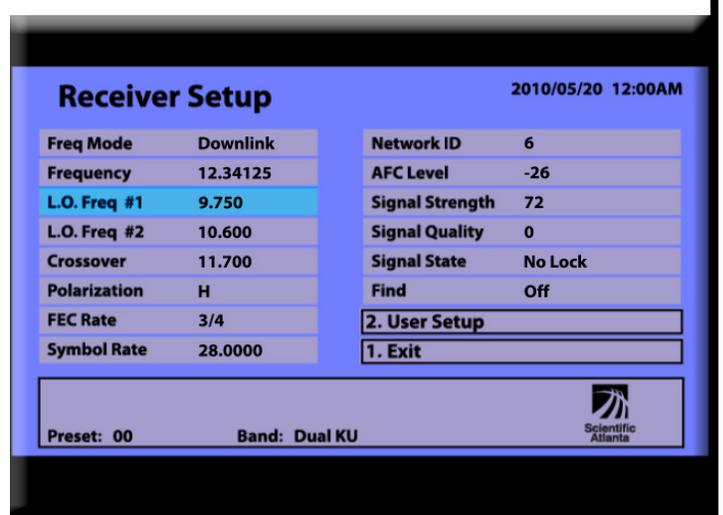
1.8 Arrow down to **LO. Freq #2**, it should be set for **10.600**

1.8.1 If it is *not,* press SELECT on the remote control and using the number pad on the remote control, type in 10600.

1.8.2 The decimal will be added automatically

1.8.3 Press the down arrow to continue

Receiver Setup   2010/05/20 12:00AM

Freq Mode	Downlink		Network ID	6
Frequency	12.34125		AFC Level	-26
L.O. Freq #1	9.750		Signal Strength	72
L.O. Freq #2	10.600		Signal Quality	0
Crossover	11.700		Signal State	No Lock
Polarization	H		Find	Off
FEC Rate	3/4		2. User Setup	
Symbol Rate	28.0000		1. Exit	

Preset: 00   Band: Dual KU

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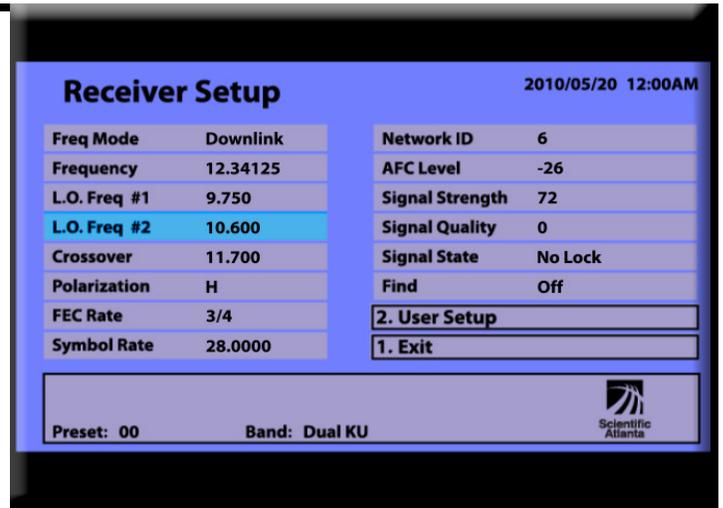
1.9 Arrow down to **Crossover**, it should be set for **11.700**

1.9.1 If it is *not,* press SELECT on the remote control and using the number pad on the remote control, type in 11700.

1.9.2 The decimal will be added automatically

1.9.3 Press the down arrow to continue

Receiver Setup   2010/05/20 12:00AM

Freq Mode	Downlink		Network ID	6
Frequency	12.34125		AFC Level	-26
L.O. Freq #1	9.750		Signal Strength	72
L.O. Freq #2	10.600		Signal Quality	0
Crossover	11.700		Signal State	No Lock
Polarization	H		Find	Off
FEC Rate	3/4		2. User Setup	
Symbol Rate	28.0000		1. Exit	

Preset: 00   Band: Dual KU

Scientific Atlanta
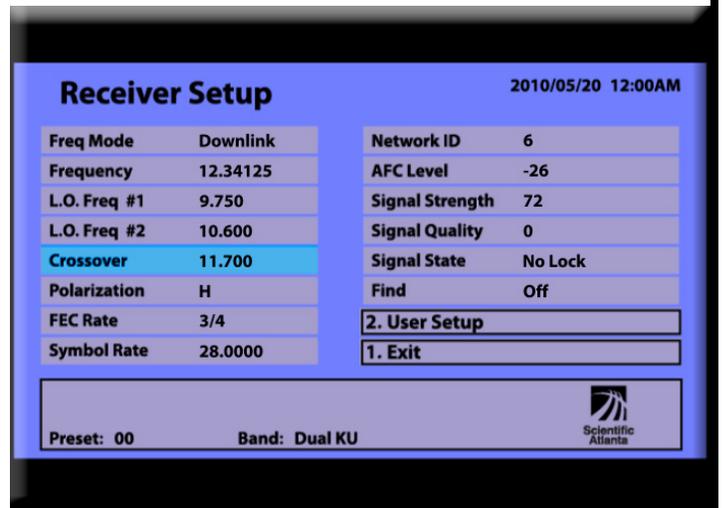
1.10 Arrow down to **Polarization**, continue to press SELECT on the remote control until **V** is displayed.

1.10.1 Press the down arrow to continue

Receiver Setup   2010/05/20 12:00AM

Freq Mode	Downlink		Network ID	6
Frequency	12.34125		AFC Level	-26
L.O. Freq #1	9.750		Signal Strength	72
L.O. Freq #2	10.600		Signal Quality	0
Crossover	11.700		Signal State	No Lock
Polarization	V		Find	Off
FEC Rate	3/4		2. User Setup	
Symbol Rate	28.0000		1. Exit	

Preset: 00   Band: Dual KU

Scientific Atlanta
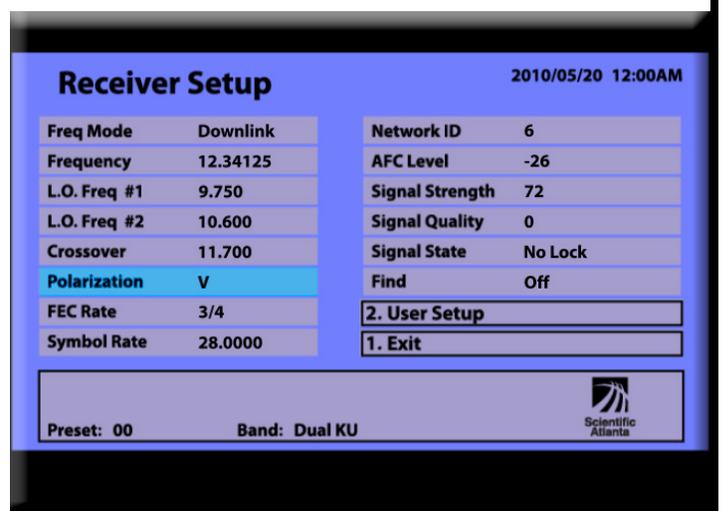
1.11 Arrow down to **FEC Rate**, ensure it is set for **3/4.**

1.11.1 If it is *not,* press SELECT on the remote control until **3/4** is displayed

1.11.2 Then press the down arrow to continue.

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	12.34125	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	0
Crossover	11.700	Signal State	No Lock
Polarization	V	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	28.0000	1. Exit	

Preset: 00   Band: Dual KU   Scientific Atlanta
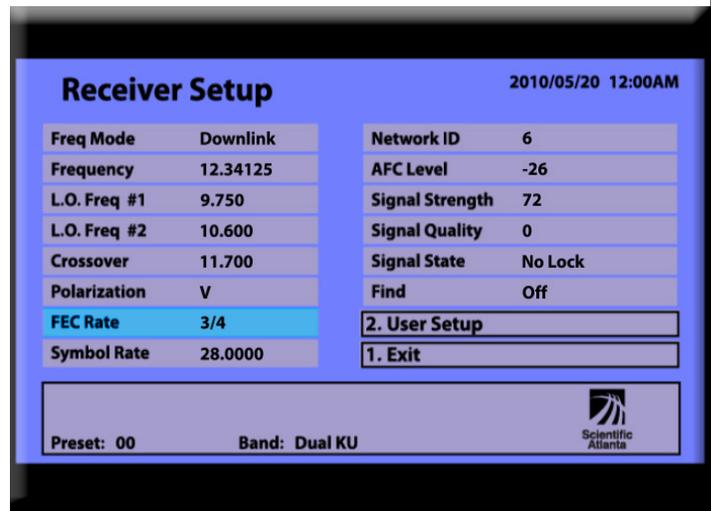
1.12 Arrow down to **Symbol Rate**, press SELECT on the remote control, using the number pad on the remote type in **275000**

1.12.1 The decimal will be added automatically

1.12.2 Then press the down arrow to continue.

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	6
Frequency	12.34125	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	0
Crossover	11.700	Signal State	No Lock
Polarization	V	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	27.5000	1. Exit	

Preset: 00   Band: Dual KU   Scientific Atlanta
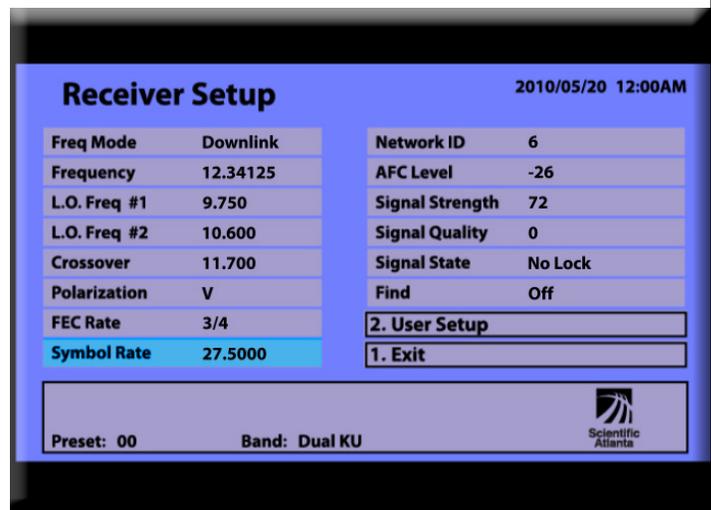
1.13 Arrow to right and up to **Network ID**, and press SELECT on the remote control, using the number pad on the remote type in **10**

1.13.1 Then press the down arrow to continue.

Receiver Setup 2010/05/20 12:00AM

Freq Mode	Downlink	Network ID	10
Frequency	12.34125	AFC Level	-26
L.O. Freq #1	9.750	Signal Strength	72
L.O. Freq #2	10.600	Signal Quality	0
Crossover	11.700	Signal State	No Lock
Polarization	V	Find	Off
FEC Rate	3/4	2. User Setup	
Symbol Rate	27.5000	1. Exit	

Preset: 00   Band: Dual KU   Scientific Atlanta
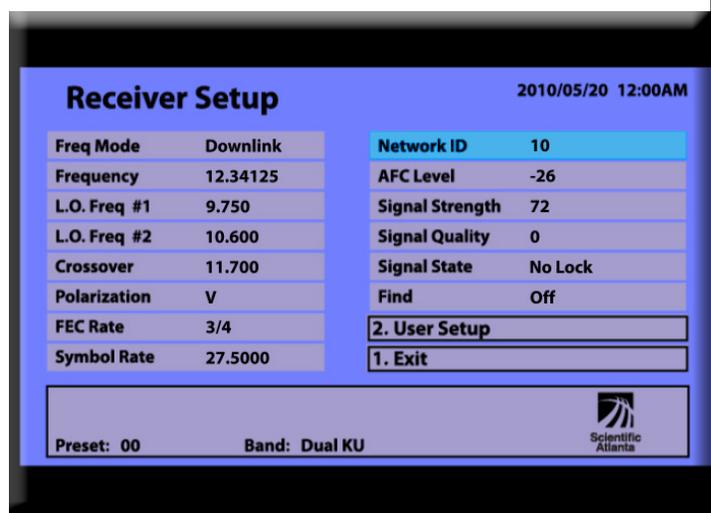
1.14 Arrow down to **Exit** and press SELECT on the remote control.

1.15 A popup window will appear, "**Save Settings?**" using the number pad on the remote and type in **1**
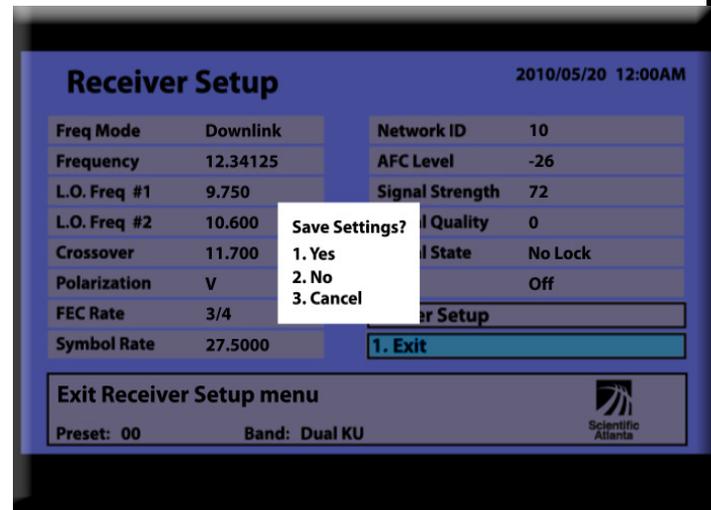
1.16 Another popup window will appear, "Please wait, Acquiring Network Information"

1.16.1 This may take several minutes

1.16.2 The Receiver Status menu will be displayed next

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1.17 On the Receiver Status screen, arrow down to **Exit** and press SELECT on the remote control

Receiver Status   2010/05/20 12:00AM

Network ID	6	Reset ADP
Address	000-199-6405-8	
Smart Card	Not Inst.	
Signal Strength	72	
Signal Quality	0	4. Configuration
Signal State	Not Inst.	3. Receiver Setup
ADP (enc)	0/0	2. User Setup
ADP (non-enc)	0/0	1. Exit

Exit Receiver Status menu

Freq 12.34125 Pol V Sym 27.5000 3/4

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1.18 On the Main Menu screen, arrow up to **Dish Pointing,** press SELECT on the remote control

Main Menu   2010/05/20 12:00AM

5. EPG
4. Available Services
3. Dish Pointing
2. Receiver Status
1. Exit

Display Dish Pointing menu

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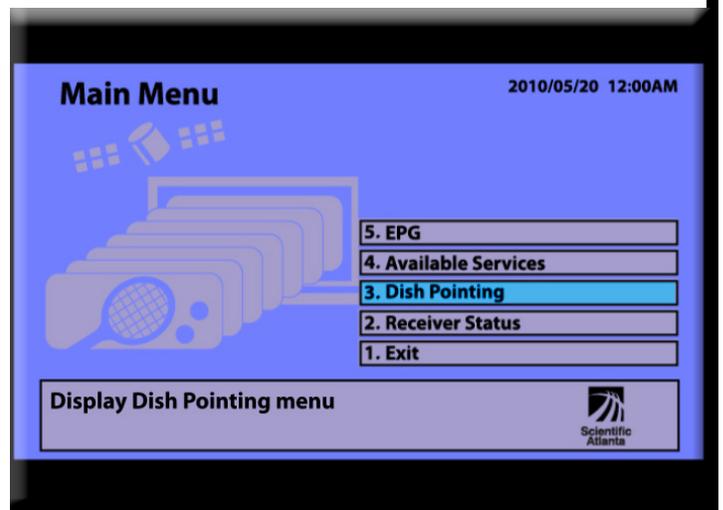
1.19 This screen displays current signal conditions. Continue to display this screen until dish as been moved.

1.19.1 The realignment will not be complete until the **Lock State** is **Lock,+Sig** and **Signal Quality** is at least **4**

1.19.2 You may see readings on the Signal Strength meter, this is normal.

1.20 Move on to Step 2.1 to realign the satellite dish.

Dish Pointing   2010/05/20 12:00AM

Lock State :   No Lock
Signal Strength (00-99) : 72
Signal Quality (0-10) : 00
1. Exit

Exit Dish Pointing menu

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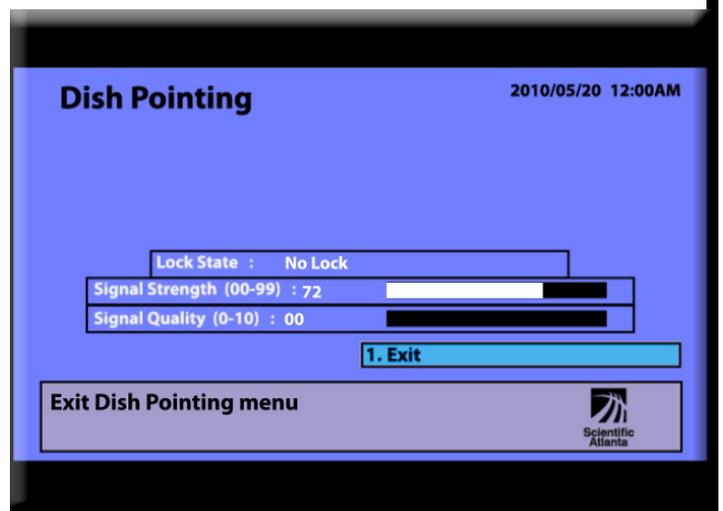
Step 2 - Move Satellite Dish

2.1 Use marker to make a vertical line on dish mount and support post

2.2 Only *slightly* loosen bolts or screws on dish mount to allow it to move side-to-side

2.2.1 Loosen bolts or nuts evenly in a *crisscross* pattern

2.2.2 DO NOT loosen any other bolts or screws

2.2.3 DO NOT make any vertical adjustments

2.3 Grasping the dish from behind, rotate dish to the right approximately 1/8 inches or 2 millimeters (pushing with your left hand and pulling with your right hand.)

2.4 The vertical line will be slightly offset after moving dish 1/8 inches (approximately 2mm).
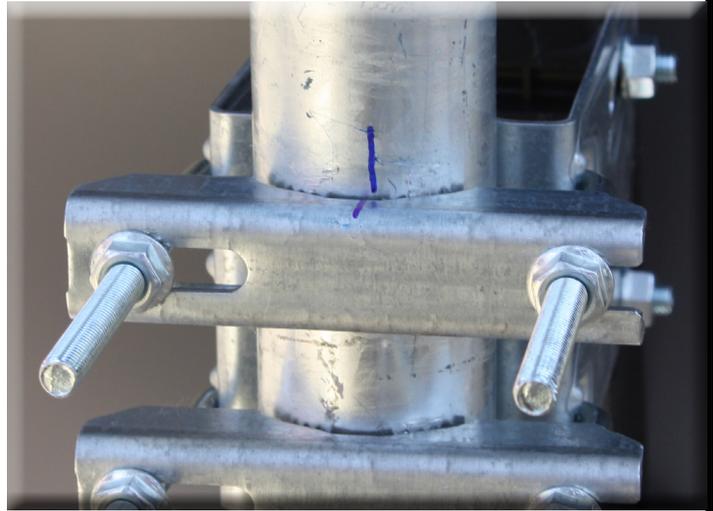
2.5 Using a cell phone, ask your assistant to check the Signal Quality and Lock State on the TV.

2.6 Very gently adjust the satellite dish until the Lock State is locked and optimal Signal Quality is reached (4-10).

2.7 If you have moved the dish too far to the right, move it back until the vertical line is once again lined up and try again.

2.8 Image on the right shows what the screen will look like when alignment is complete. The **Lock State** is **Lock,+Sig** and **Signal Quality** is at least **4**
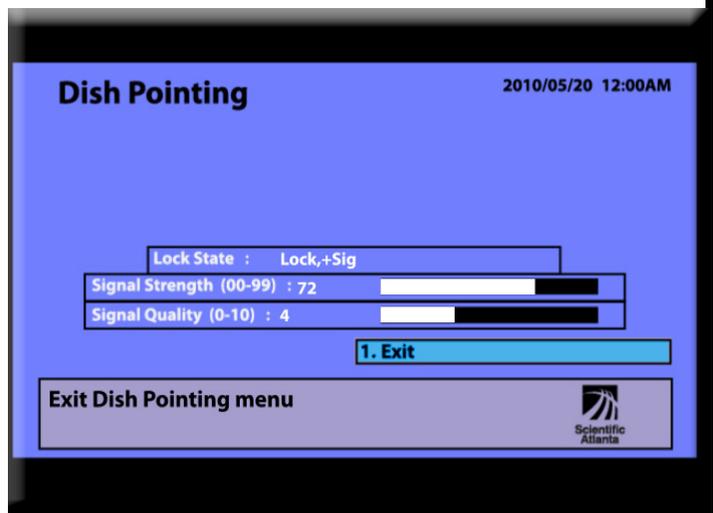
2.9 Evenly tighten bolts or nuts previously loosened in a *crisscross* pattern

2.10. After you have tightened all bolts or nuts, check with assistant to ensure the **Lock State** is **Lock,+Sig** and **Signal Quality** is still at **4** or above

2.11 On the Dish Pointing Menu, press SELECT on the remote control to **Exit**

Dish Pointing   2010/05/20 12:00AM

Lock State :   Lock,+Sig
Signal Strength (00-99) : 72
Signal Quality (0-10) : 4
1. Exit

Exit Dish Pointing menu
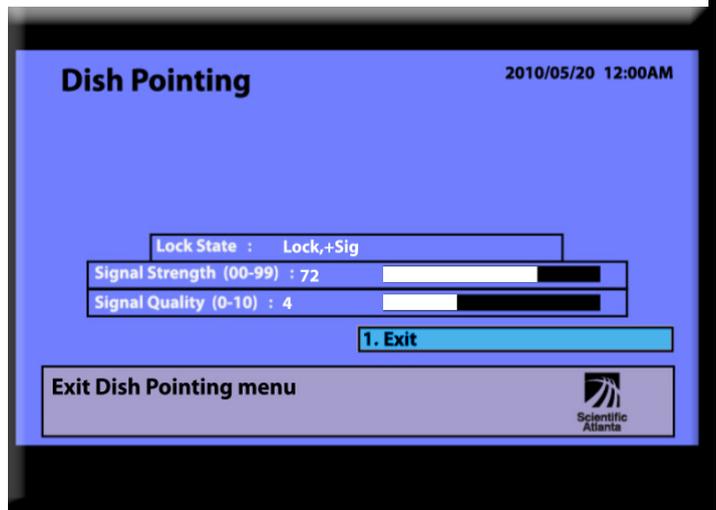
2.12 On the Receiver Status menu, press SELECT on the remote control to **Exit.**

Receiver Status   2010/05/20 12:00AM

Network ID	10	Reset ADP
Address	000-199-6405-8	
Smart Card	Not Inst.	
Signal Strength	72	
Signal Quality	4	4. Configuration
Signal State	Not Inst.	3. Receiver Setup
ADP (enc)	0/0	2. User Setup
ADP (non-enc)	0/0	1. Exit

Exit Receiver Status menu

Freq 10.77500 Pol H Sym 28.000 3/4
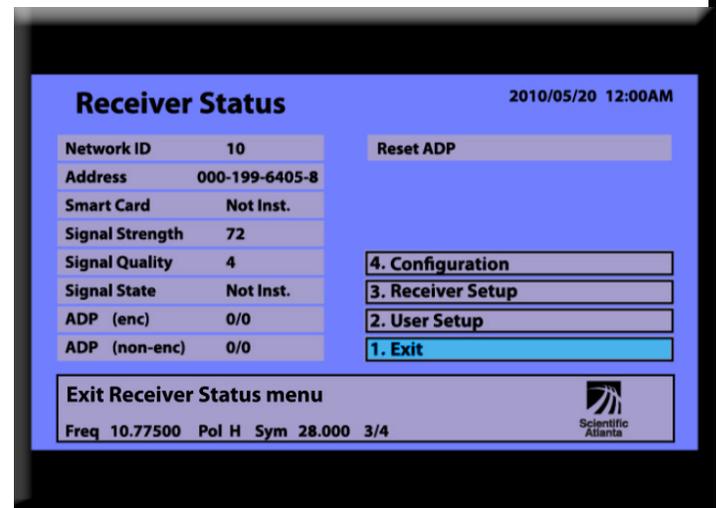
2.12 On the Main Menu, press SELECT on the remote control to **Exit.**

Congratulations! You have successfully completed the satellite realignment & decoder reconfiguration to Eurobird 9A.