



## **New York Network/ SUNYSAT Satellite Retune**

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### **1. Satellite retune- frequently asked questions**

#### **What is a retune ?**

The New York Network will be changing the parameters of our MCPC satellite signal. This is necessary in order to utilize satellite bandwidth more effectively. The two parameters being changed are the center frequency and symbol rate.

#### **How will this affect my reception of NYN programming?**

In order to receive any NYN programming after October 17, 2008, your satellite receiver will require the above mentioned parameters be changed. No changes to your dish will be necessary.

#### **How difficult a procedure is it to change the parameters?**

Not difficult at all. In fact, if your satellite receiver is a Coship model CDVB5110D and it has an active smart card inserted in it, the process will be done automatically for you. This will happen the night of October 17, 2008. Please note that your Coship receiver must be turned on and receiving the NYN signal in order for this to happen.

#### **What if I do not have a Coship receiver?**

If you do not have a Coship receiver with an active smart card, the changes must be made manually by using the remote control or the front panel of the receiver. This is a simple process. In fact, if your satellite receiver is a Coship or a Miralite,

NYN will have an instructional video posted on its website on October 17, 2008 which will take you through the retune, step by step.

If you have a receiver other than a Coship or Miralite, please call or e-mail us and we will be happy to help you.

**How do I know which receiver I have?**

The make and model number should appear on the front panel. Most NYN affiliated down links will have either a Coship CDVB5110D or a Miralite/ Visionetics receiver. The Coship receivers are silver and grey in color while any Miralite/ Visionetic receivers are black.

If you have any questions about the make of your receiver, please give us a call.

**What if my Coship receiver does not receive the automatic change commands on the night of October 17, 2008?**

The change command on your Coship receiver can only be given once. If your Coship receiver doesn't automatically retune after this initial attempt, it will need to be tuned manually.

**How do I get in touch with you?**

Please call us at 518-453-9521 or 518-443-5333 or email [contact@nyn.suny.edu](mailto:contact@nyn.suny.edu) if you need any additional information.

**2. Satellite details**

<b>Current Parameters:</b>	<b>Parameters after October 17, 2008:</b>
<b>Satellite-</b> AMC 5	<b>Satellite-</b> AMC 5
<b>Polarity</b> —Horizontal	<b>Polarity</b> —Horizontal
<b>Center Frequency</b> -- 12182 MHz	<b>Center Frequency</b> -- 12177 MHz
<b>L-Band Frequency</b> -- 1432MHz	<b>L-Band Frequency</b> -- 1427MHz
<b>Symbol Rate</b> -23 MSb	<b>Symbol Rate</b> -20.5 MSb
<b>FEC</b> --3/4	<b>FEC</b> --3/4

If you have questions or problems call:  
NYN satellite technical support hotline- (518) 453-9521  
If busy call: (518) 443-5333

**3. Miralite receiver retune instructions using remote control**

The following is a step-by-step procedure for retuning your Miralite receiver.

The easiest way to perform the retune is with your remote control, which should have a fresh set of batteries in it. The remote can be identified by the letters "D B S" toward the bottom.

Let's get started. To begin, push the "MENU" button on the remote. The following menu bar seen here should appear on your TV/Monitor.

Push the "Arrow/Channel Down" button until "System" is highlighted in yellow. Once System is highlighted, push the "Select" button. A new list will appear with "Set Up" already highlighted in yellow. Now push the "Select" button again to enter the programming screen.

The first line of this screen should read "Record Number" with "0" highlighted in blue to the right. If it does not read "0", press your "Left or Right Arrow" buttons until "0" is selected.

To continue on, you'll need to change both the Down Link Frequency and Symbol Rate information to complete the retune.

Next, press the "Arrow/Channel Down" button 3 times to highlight "Down Link Frequency". Once highlighted, enter the new information by using the number pad on the remote. Enter "1 4 2 7 0 0 0".

Next, press the "Arrow/Channel Down" button to highlight the "Symbol Rate" line. Enter the new Symbol Rate by pressing "2 0 5 0 0".

With these entries completed, push the "Select" button. Your TV/Monitor will display "Searching For Programs". After a few moments, the New York Network color bars should appear with a running time clock, and the yellow "LOCK" light should be lit on the front panel of the receiver indicating a signal lock.

And with that, you've successfully retuned your Miralite Receiver!

#### **4. Miralite receiver retune instructions using front panel**

This procedure would be used for those who can't locate their remote control to perform the retuning process.

Start by pushing the "MENU/ESC" button. Your TV/Monitor will display a menu bar seen here.

Next, push the "CH/Arrow Down" button to highlight "System" in yellow. Then push the "Mute/Select" button. This will automatically bring you to the next menu, and "Setup" should already be highlighted in yellow. Go ahead and push the "Mute/Select" button once again, and a new screen will appear.

The first line of this screen should read "Record Number" with "0" highlighted in blue to the right. If it does not read "0", press the "Volume/Right" key repeatedly until "0" is selected.

Next, press the “Channel/Down arrow” button 3 times so that the “DownLink Frequency” number is highlighted. During this process you will need to change one number at the time. This is done by using the “Right/Vol Arrow” to move to the next digit and the “Up/Arrow” to change the number.

With the “DownLink Frequency” number highlighted, press and release the “Left/Vol Arrow” button. Number “0” will appear.

Next, press the “Up/Arrow” to change the number to “1”. Then, press the “Right/Vol Arrow” so that you move to the next digit position. Then, press the “Up/Arrow” to change the second number in the Down Link Freq to “4”. Continue to move to the right for digit position and up for the number until you have entered the new frequency of 1 4 2 7 0 0 0.

Now, press the “Left/Arrow” button which will lock that number in place.

Next, press the “Down Arrow” button once to highlight the “Symbol Rate” number in blue. Then press and release the “Left/ Vol Arrow”. Number “0” will appear.

Next, press the “Up/Arrow” to change the number to a “2”. Next, press the “Right/Vol.” arrow so that you move to the next digit position, and then press the “Up/Arrow” to change the second digit of the Symbol Rate to “0”. Continue to move to the right for digit position and up for the number until you have entered the new Symbol Rate of

2 0 5 0 0. As before, press the “Left Arrow” button to lock the number in place when completed.

At this point, you should have entered a Downlink Frequency of 1427000, and a Symbol Rate of 20500.

If you made an error entering a number correctly, you can use your “Up or Down” arrow buttons to highlight that number, press and release the “Left Arrow” button (which will display a “0” ) and try again.

Press the “Mute/Select” button.

Your TV/Monitor will display “Searching For Programs”. After a few moments the New York Network color bars should appear with a running time clock, and the yellow “LOCK” light should be lit on the front panel of the receiver indicating a signal lock.

And with that, you’ve successfully retuned your Miralite Receiver!

Congratulations – If you run into any difficulties during the retune feel free to call us at (518) 453-9521.

## 5. Coship receiver retune instructions

The tuning process requires the receiver's remote control. The remote can be identified by the 4 buttons which are on the 3rd row up from the bottom, and colored red, green, yellow, and blue from left to right.

When you get started, the receiver most likely displays "E-48 No Signal", or "E-52 Searching For Signal" on your TV screen, and the light on the receiver is either red, or flashing between red and green.

Press "MENU" on the remote.

Press "1" (Installation).

You'll be prompted to enter a password. Enter "9949".

Press "1" (Channel Search).

Press the "Green" button (labeled "AUDIO" on the remote) to enter the "TP Edit" screen.

Press the yellow button to delete this entry. You should see a "scissors" icon to the right of the entry.

Press the "Exit" key, and a precautionary screen will pop up as a warning. Press the "OK" key to confirm this deletion.

Press the "Green" button two times to enter the "Insert Transponder" screen.

With your up/down arrows, highlight "Frequency" in yellow.

Enter "12177", and press "OK".

Arrow down to highlight "Symbol Rate".

Enter "20500", and press "OK".

After a few seconds you should see Level and Quality indications on the screen of 40% or better, and the light on the front of the receiver should be green, indicating a signal lock.

Press the "Exit" two times.

Press the "Blue" button for "manual scan".

Arrow down to highlight "Start Scan" in Yellow, followed by "OK".

This brings up the "Search Type" screen. The "NIT switch" should indicate "On".

If not, press the left or right arrow button to change from "Off" to "On".

Press "OK".

Picture should come up behind the menu in a few seconds and the menu screen will then disappear.

You should now see the familiar color bars on the screen with our "NYN Channel 1" and clock. Everything will operate as it did before, except there will be no channel 2 displayed when scrolling through the channels. (ex: 1, 3, and 9 viewable with channels 4, 5, 6, 7, and 8 scrambled).

That's it! You're all done!

## **6. Technical support contact**

If you have questions or problems call:

NYN satellite technical support hotline- (518) 453-9521

If busy call: (518) 443-5333