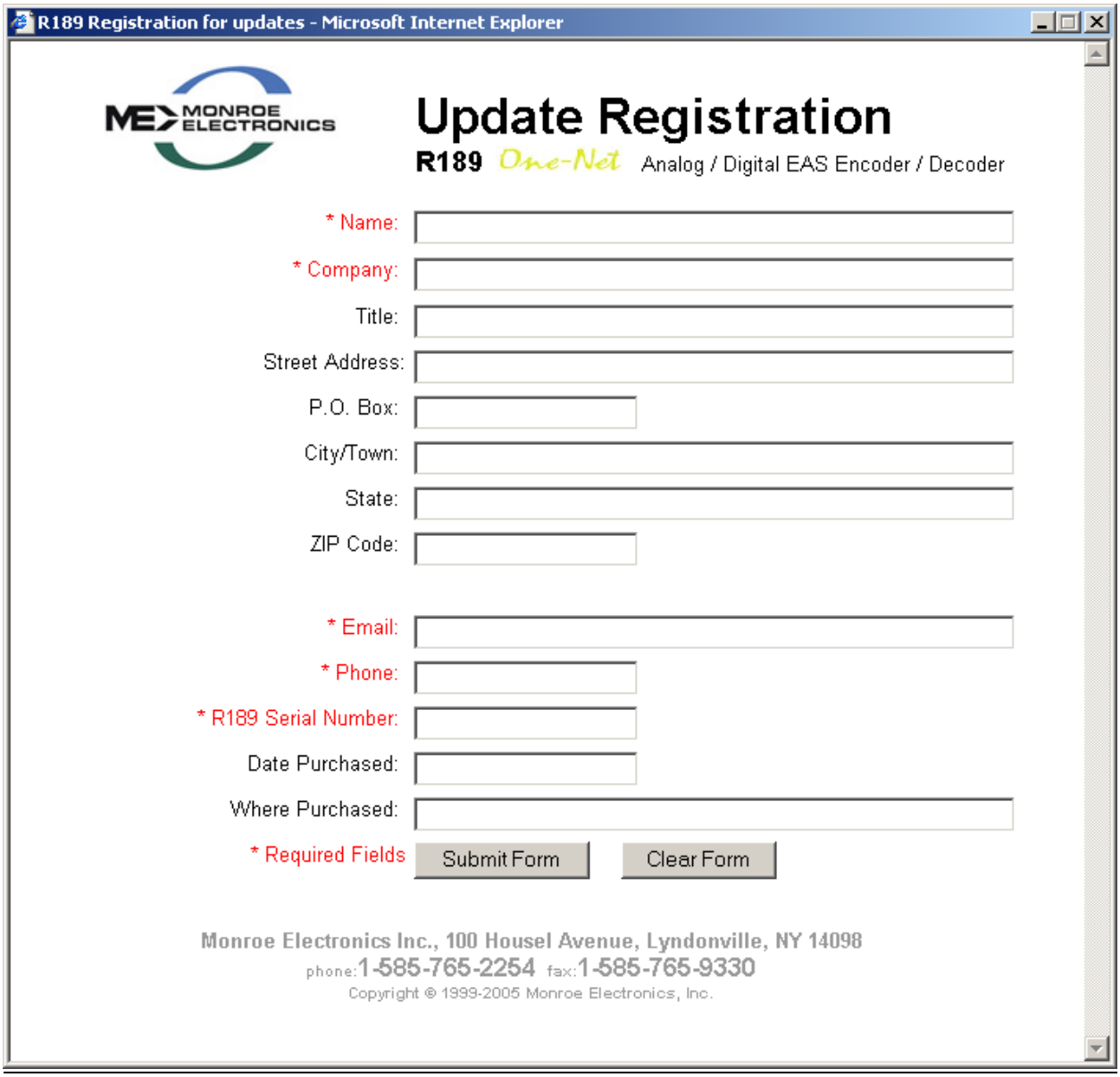
Please Register Your One-Net

To verify that you have the latest version of software in your One-Net it's important to register your device with Monroe Electronics. To register go to www.monroe-electronics.com and click on R189 Update Registration, under EAS Systems and Products, and submit your information. You will be notified by Email of the latest updates and enhancements that can be downloaded from our website.



VERSION 1.8-1

Quick Start Up Guide for the R189 One-Net

1. **What comes with your One-Net**
   - A CD that has the full version of the Manual.
2. **Getting Started**

   You will need the following before starting the setup.
   - FCC number. This ID number is used in all correspondence with your Cable Head End and the FCC.
   - County name for the location where the equipment will be installed. And county names for the area you are broadcasting to. These county names will be converted to FIPS Code(s) in the One-Net.
   - Radio frequencies for your LP1 and LP2. These are the approved radio stations for your area and can be obtained by through your EAS chairman for your state. If a NOAA station will be monitored that must also be obtained.
   - IP address for the One-Net. This must be obtained from your system administrator to make sure there are no other devices on your network with this address.

3. **Logging into the unit.**

   The three ways to connect to the One-Net are:

Using a VGA monitor, keyboard, and mouse with a One-Net

To configure the One-Net:

- Connect the VGA monitor, keyboard and mouse connected to the correct ports on the back of the One-Net.
- Then power up and wait for the One-Net to boot and become fully operational. Make sure the VGA monitor is powered on.
- You will be presented with a login prompt on the VGA monitor. Type in the user name of "root" (without parenthesis). The default password is "dasdec1".
- After login, the One-Net presents a shell prompt.
- The typical task at this point is to launch a desktop user interface. Type the command 'startx' and then pres the Enter key. This will run the KDE desktop windowing user interface.

- Wait for the desktop to fully launch. Once the desktop is ready, run the provided One-Net browser app by clicking the icon labeled One-Net Web Interface. This launches a browser, which will automatically access the One-Net web server Login page. Follow the instructions for Section 4.2 below for logging into the One-Net using the Web login page. Everything you will need to do to setup the One-Net for operation and remote network access will be available from within the Web interface. There is a built in administrative user (Admin) for the One-Net Web Interface. The default password for Admin is “dasdec”.
- After you are finished with the One-Net KDE desktop, logout using the right mouse button popup screen to select "Logout". After a few seconds, the desktop will exit and you will be back at the shell prompt.
- Once configured, the One-Net is designed to operate “headless” (without monitor, keyboard, and mouse). The preferable means of One-Net access is via a Web browser from another computer over the LAN. In fact, while the One-Net can operate with the KDE desktop enabled, the KDE desktop consumes much memory and extra CPU speed. The provided KDE desktop applications are meant as conveniences and tools during One-Net configuration. These should not be used indiscriminately during normal One-Net operation. Using applications from the desktop during normal operation can interfere with the reliable performance of the decoder software.

Directly connecting a networked host computer

Connect a CAT-5 network crossover cable to the RJ45 port at the back of the One-Net and to the RJ45 port of the network interface card (NIC) of a standalone PC or notebook computer. Configure the standalone PC to use the static IP address 192.168.0.201 with a net mask of 255.255.0.0. After One-Net power up and booting, it can be accessed via a Web browser on the host computer.

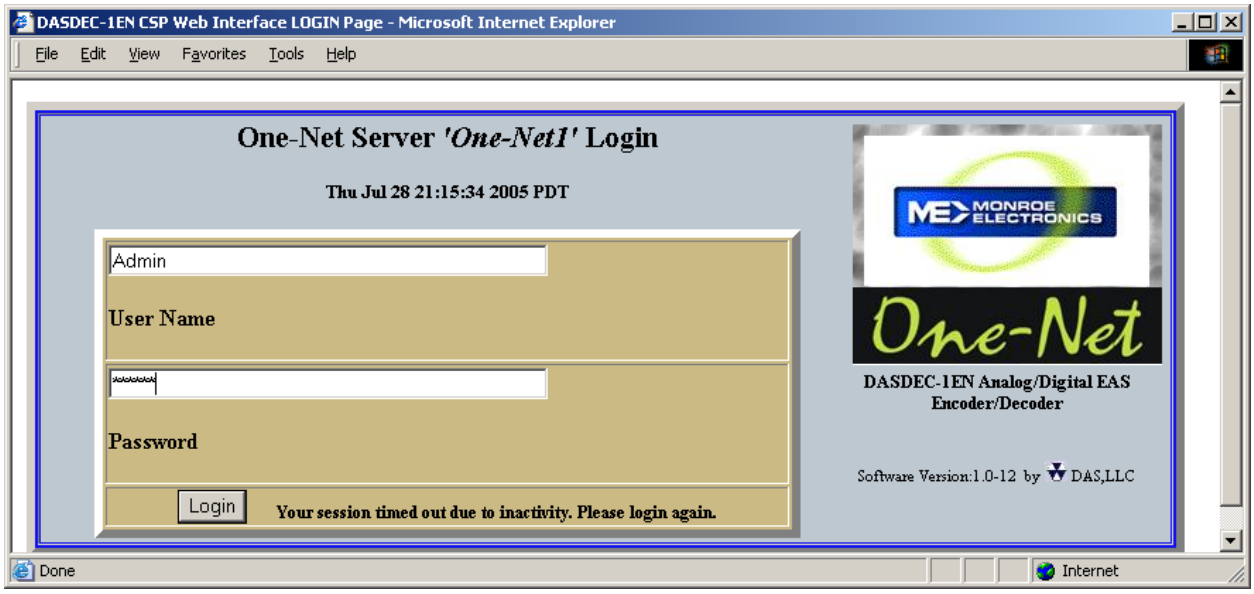
Now launch a Web browser application and direct the URL to http:/192.168.0.200/. The One-Net will provide a gateway page and quickly redirect to the One-Net login page.

LAN connection with a networked host computer

Connect a standard CAT-5 network cable from the RJ45 port at the back of the One-Net into a routing hub or other network-switching device. You will likely need assistance from a network administrator to insure the One-Net’s default network address of 192.168.0.200 will be visible on the network, or will not clash with an existing node. Once the One-Net is powered up, booted, and operational, it can be accessed via a Web browser from any remote computer on the LAN routed to see the address 192.168.0.200.

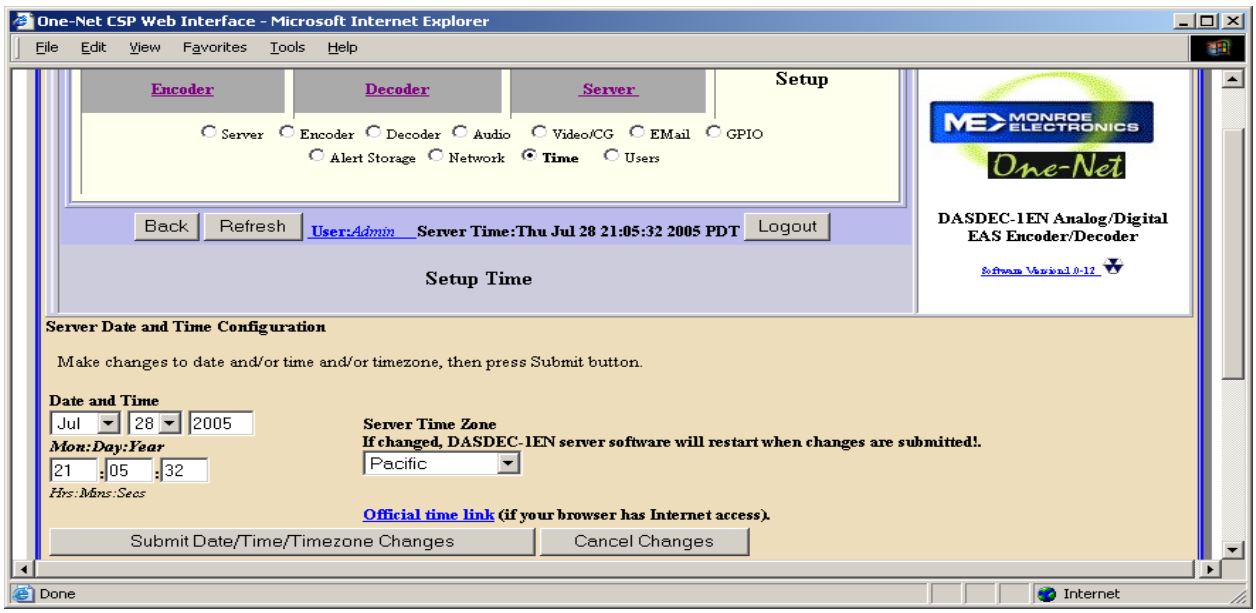
Web Server Login

When the One-Net successfully connects for a Web session, it will present the following page in the Web browser.

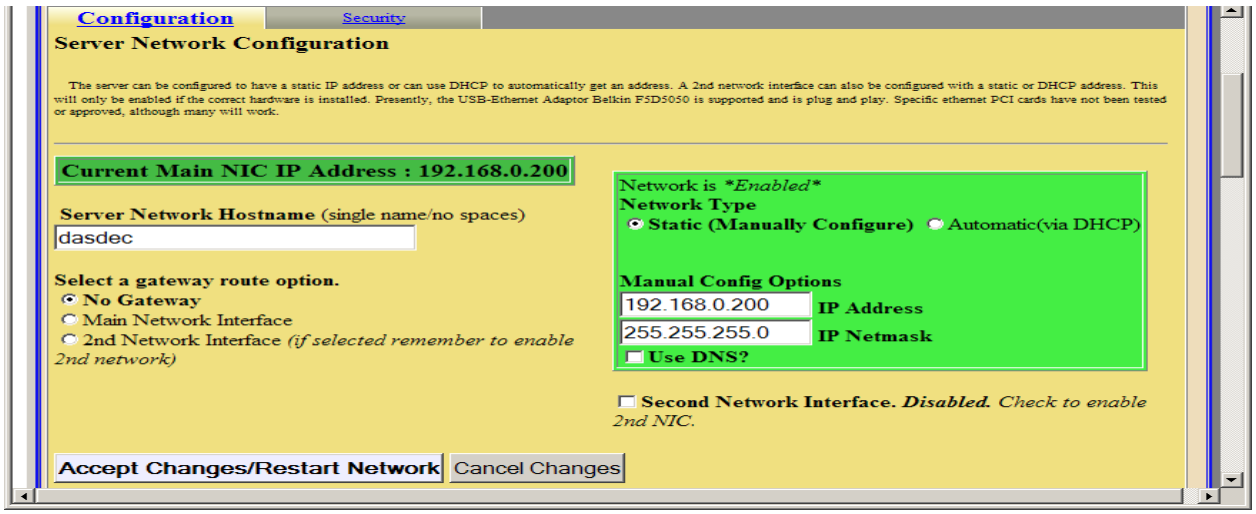


Type "Admin" (no quotes) as the default user name, and "dasdec" (again, without quotes) as the password. Press the left mouse button over the Login button. With the correct user name and password, the One-Net will login. If the user or password is incorrect, the One-Net will display a message indicating the problem. If the One-Net is left unattended for 10 minutes, it will automatically logout. A message indicating session timeout will be displayed on the login screen.

4. **Setting the time.**
    - Click on the Setup tab, followed by the Time button.
    - If necessary, change the Time and Time Zone.
    - After the changes are complete, click on the Submit Date/Time/Timezone Changes button.

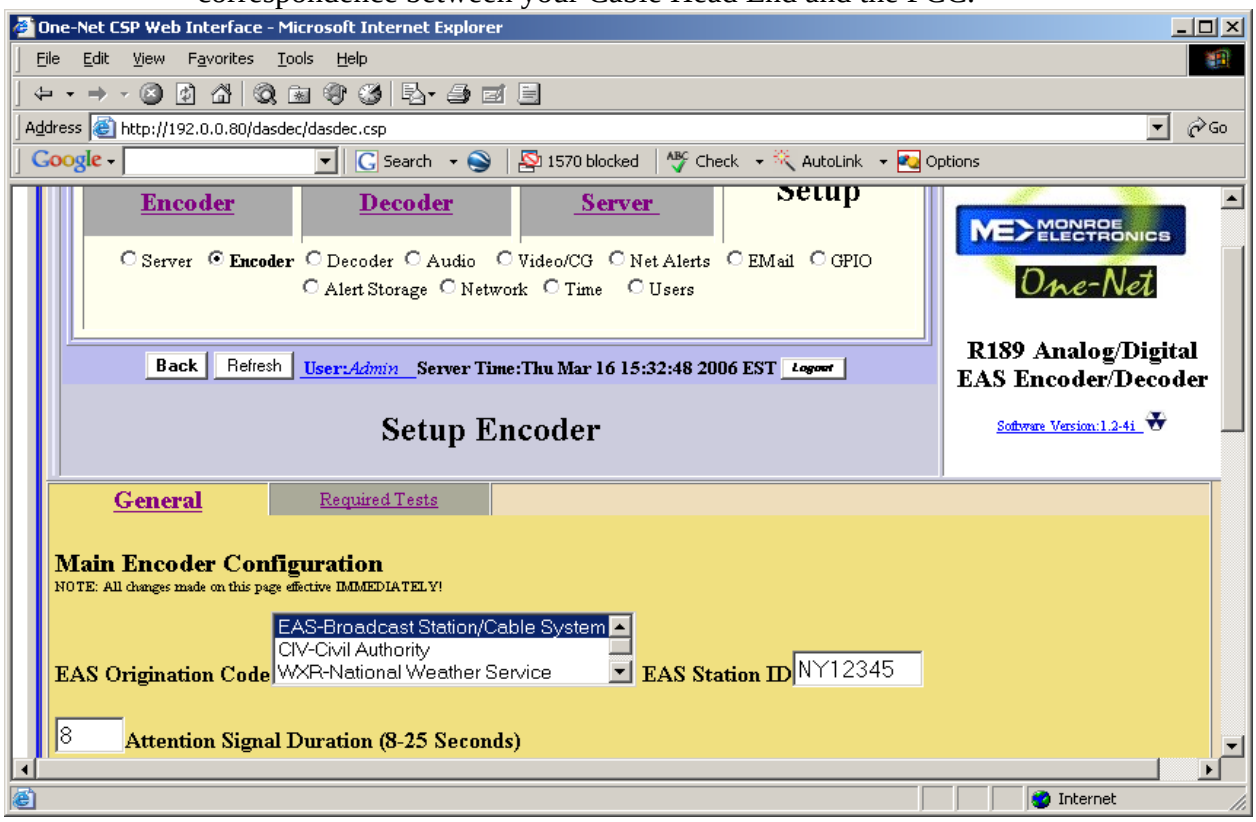


5. **Programming a static IP address for the One-Net**
    - Click on the Setup tab, followed by the Network button.
    - Enter a static IP address. If necessary change the Subnet Mask.
    - After the changes are complete, click on the Accept Changes button.

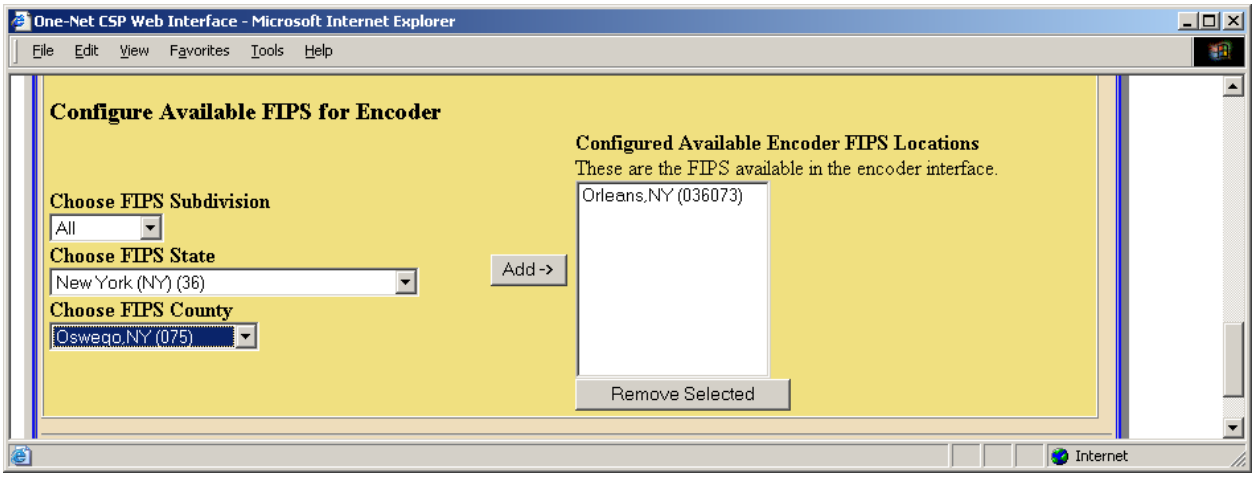


6. **Setting up the Encoder**
    - Click on the Setup Tab, the Encoder button and the General tab.

- Enter the EAS Station ID for your location. This ID starts with the abbreviation for your state, followed by a series of numbers. This ID is used with all correspondence between your Cable Head End and the FCC.

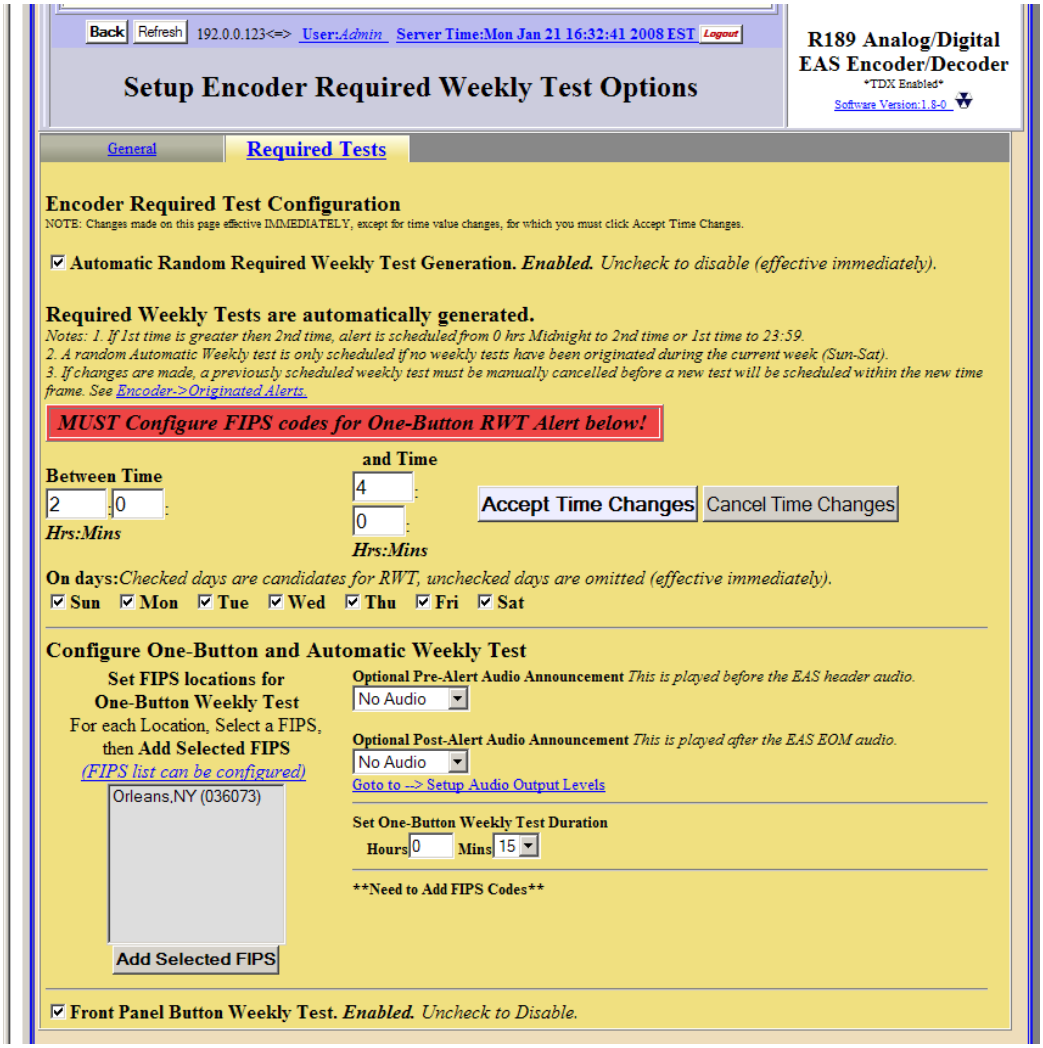


- Configure the available FIPS codes.
  - Select the State and county(s) where the alert will be broadcast. Once it has been selected, click the Add button to add it to the available list. If you are broadcasting the alert to more than one county, repeat this step until all of the counties are added.

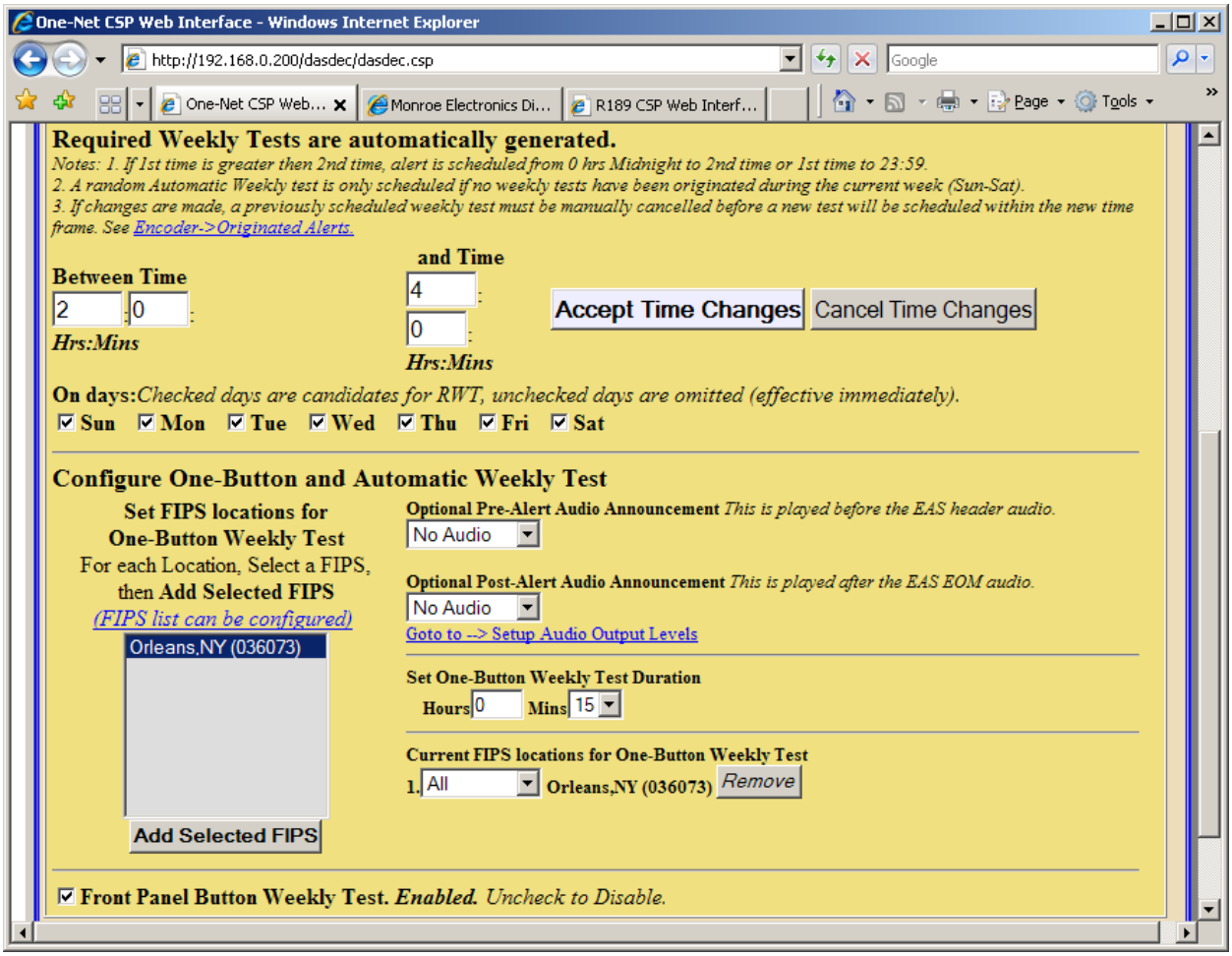


- Click on the Required Tests tab **(Not available on Decoder only models)** to configure the Automatic Required Weekly Test.

- Place a check in the box to enable the Random Automatic Weekly Test. The following display will be shown. You can edit the times and days that you want the Automatic Required Weekly Test to occur by changing the Between times, and the On Days followed by clicking the Accept Time Changes button.

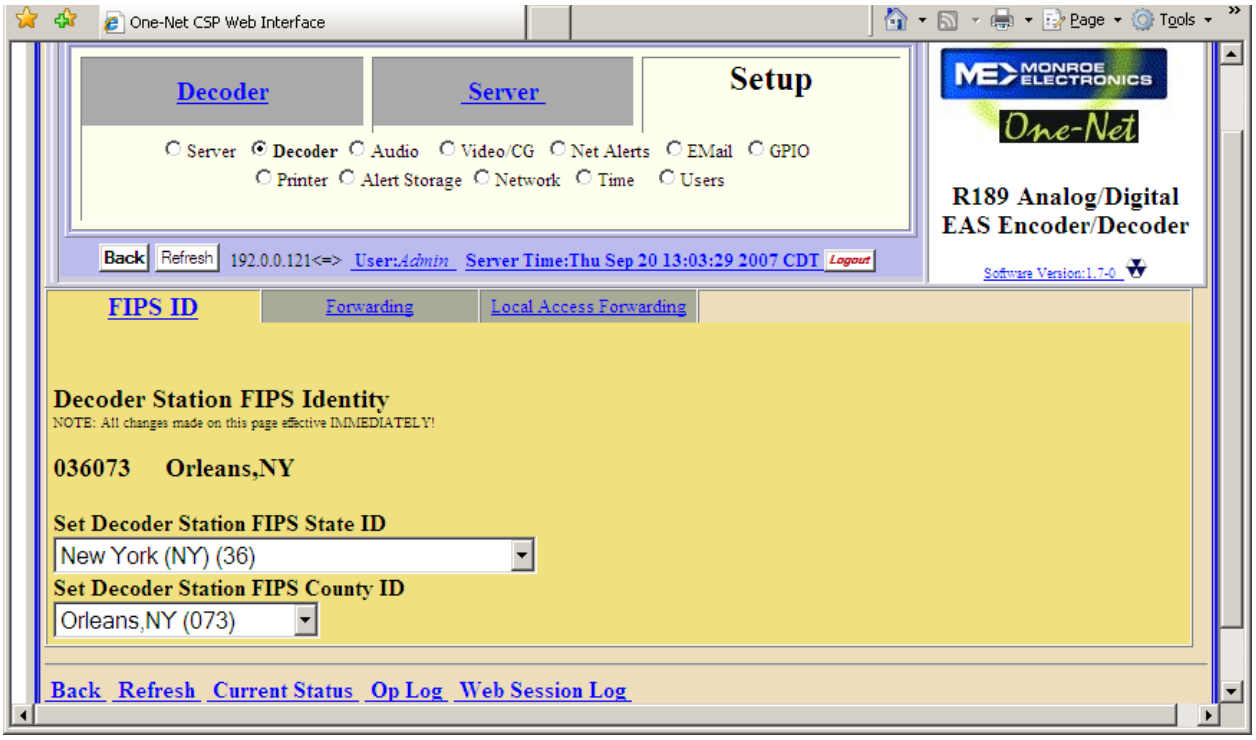


- Click on the FIPS code from the list for the County where the unit is installed and Click on the Add Selected FIPS button. This county will be used in the Automatic Weekly test Message. The following display will be shown.

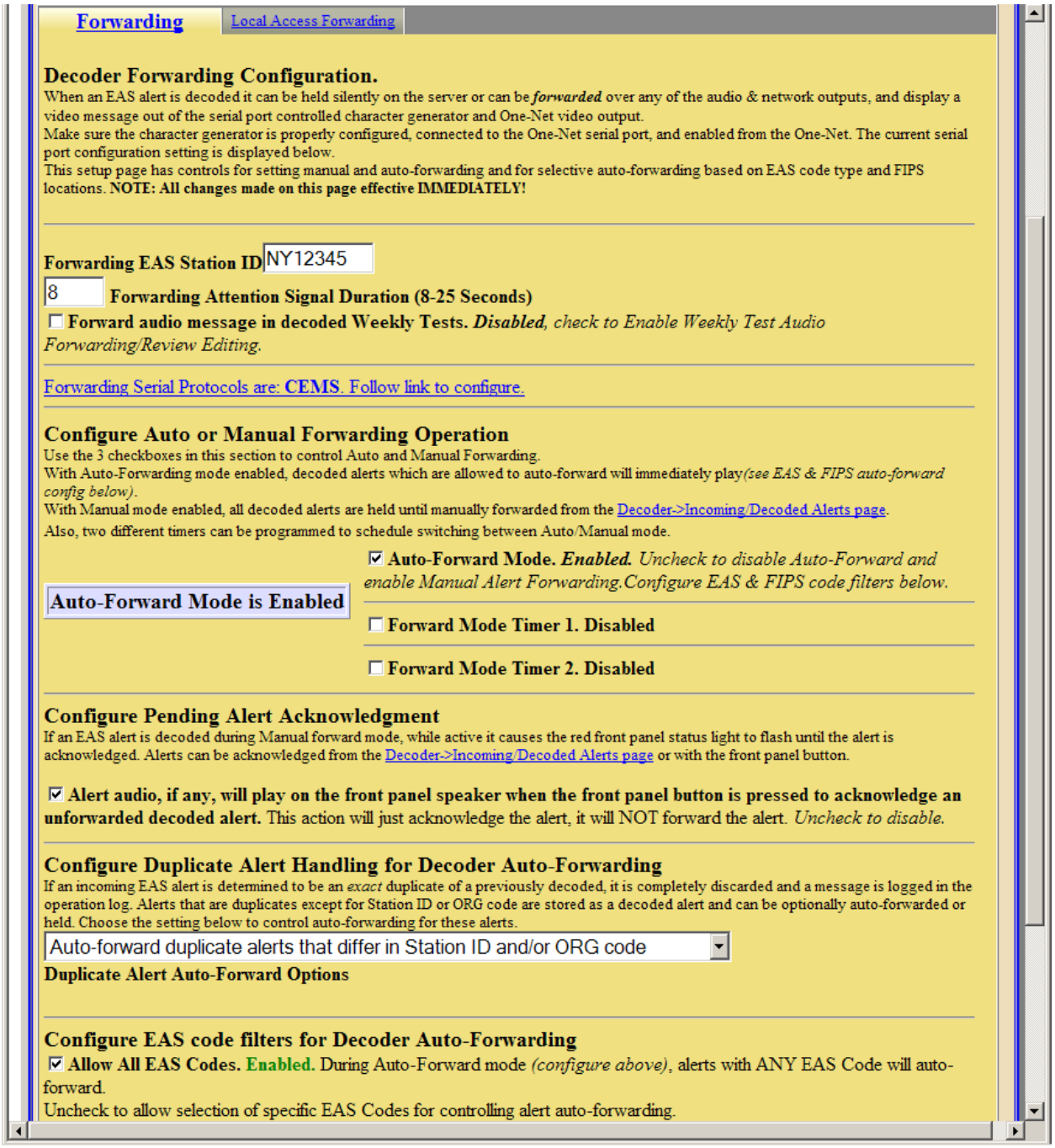


7. Setting up the Decoder

- Click on the Setup tab, the Decoder button and the FIPS ID tab. (**Note: This tab is not displayed on an Encoder/Decoder.)**
    - Select the State and County where the unit is installed.



- Click on the Forwarding tab and set the Forwarding Station ID. This ID starts with the abbreviation for your state, followed by a series of numbers. This ID is used with all correspondence between your Cable Head End and the FCC.
- The One-Net is defaulted to forward all alerts no matter what type or what FIPS, county, code they have. Removing the check marks from the last two boxes on this page will allow you two customize what alerts will be sent out on your system.



8. **If you have purchased the DVS-168 or DVS-644 options see section 5.10 of the Manual for details.**

9. **If you've purchased the MPEG2 or MPEG4 options you can also refer to section 5.10 of the Manual for details. The supplied cables must also be installed as shown below.**

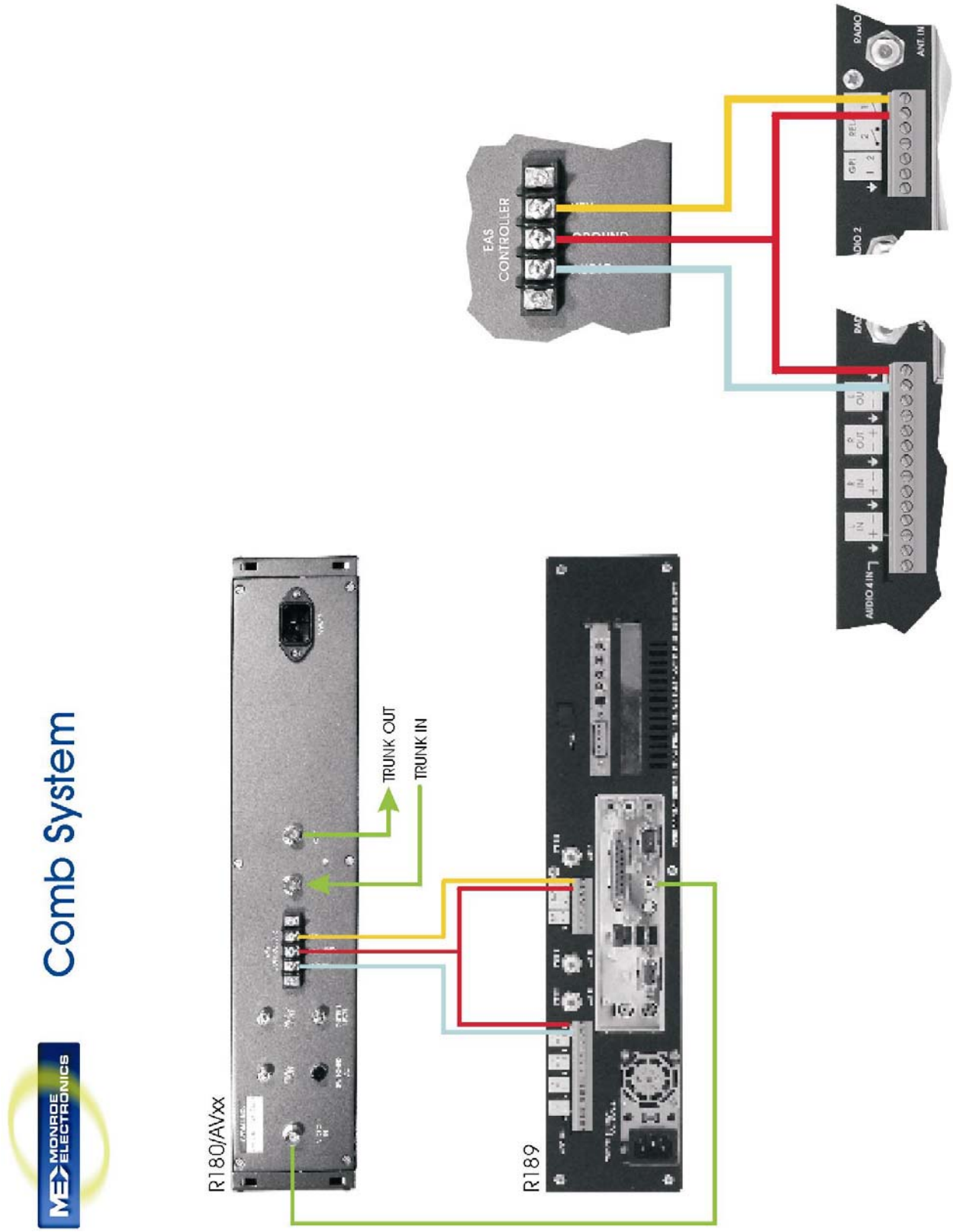
MPEG2 Connections

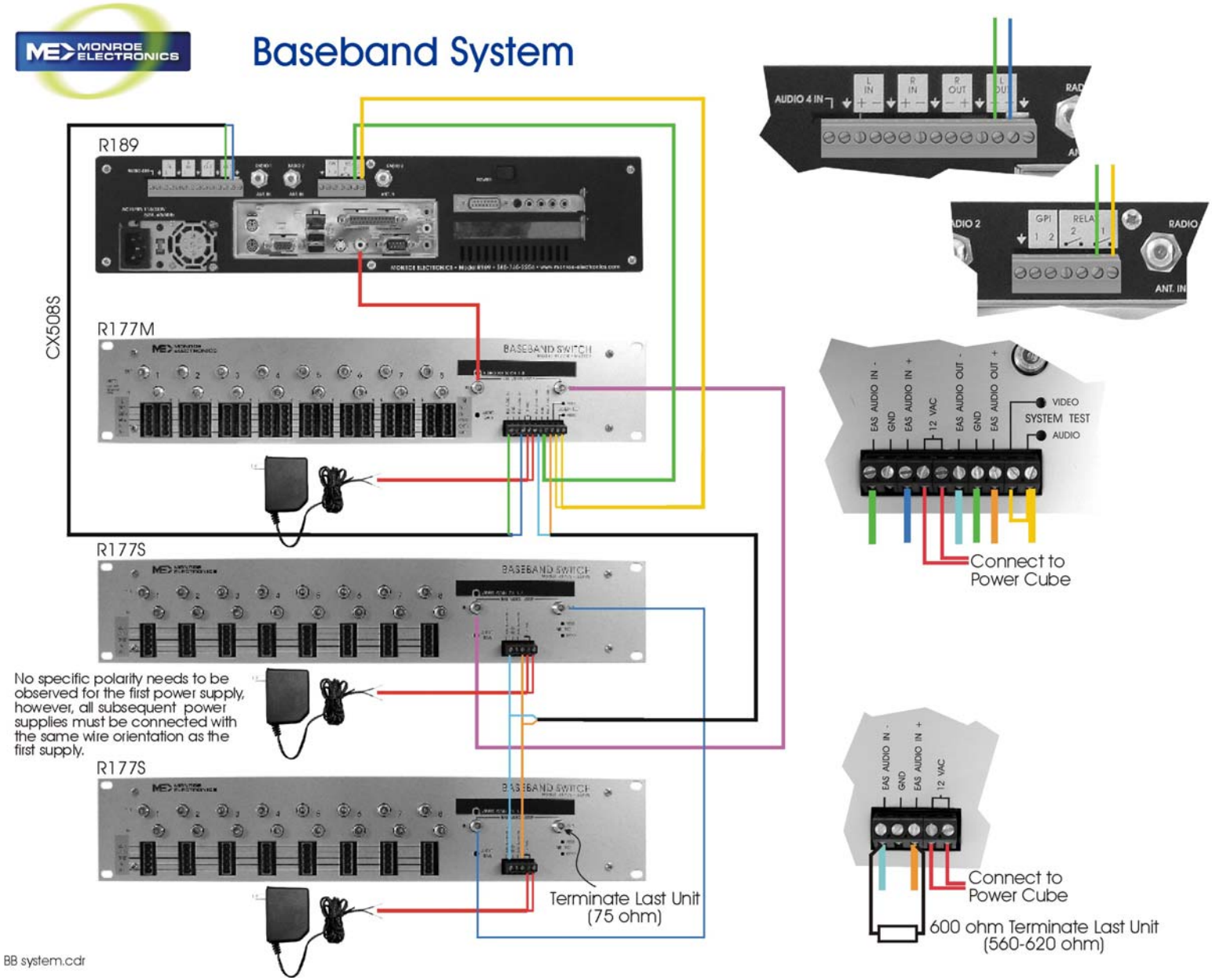
MPEG4 Connections

10. Setting the Radio stations

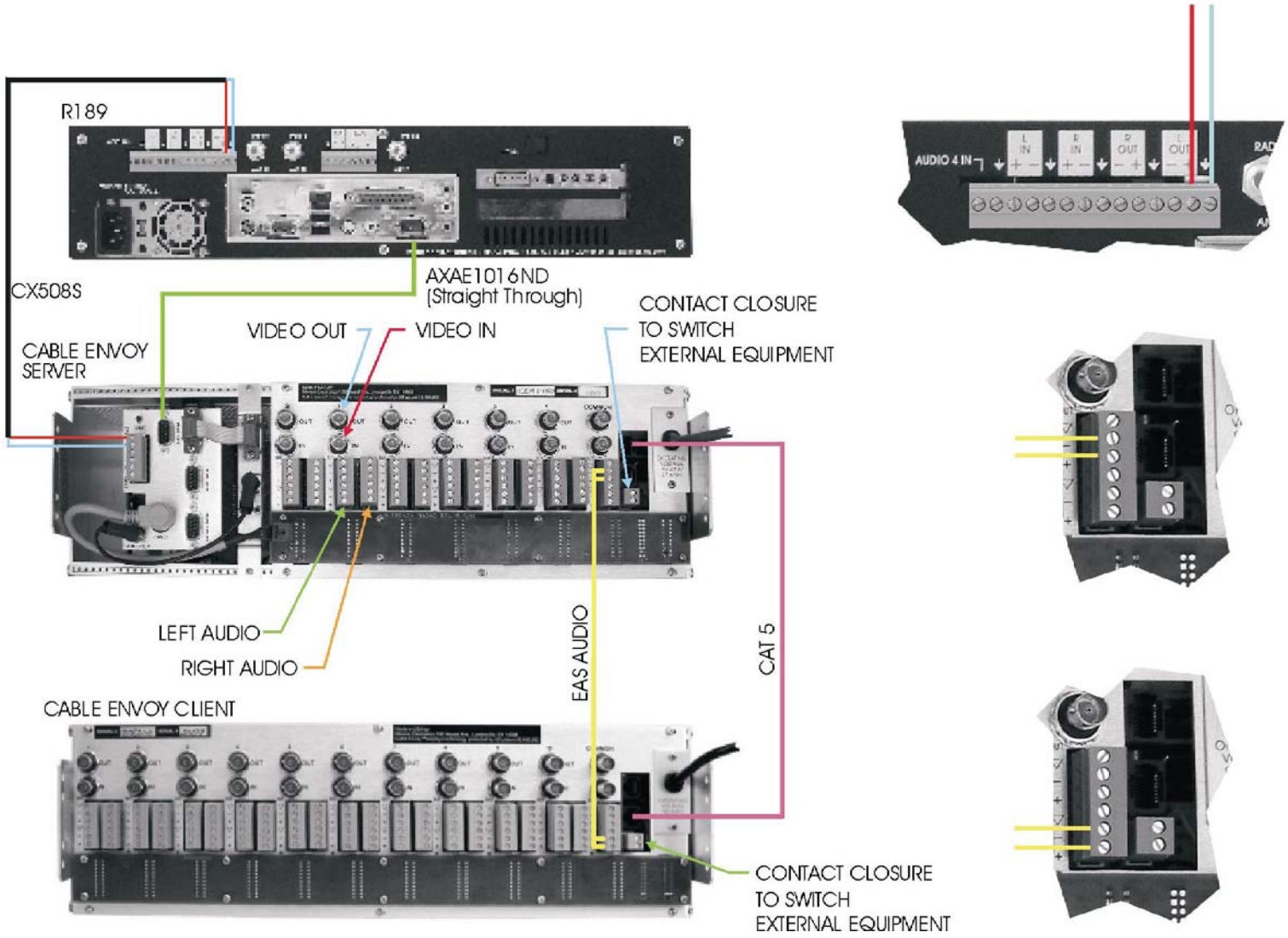
- Setting up the frequencies for your LP1 and LP2 stations you will be monitoring for EAS Alerts.
    - Click on the Setup tab, the Audio button and the Radio Tuners tab.
    - Set the radio type, and frequency for each installed radio.
    - Click on the Accept Typed Frequency Change button after changing the frequency.
    - You can verify the audio quality of each source by clicking on the Listen On: "Front Panel Speaker" button.

11. Connecting the cables

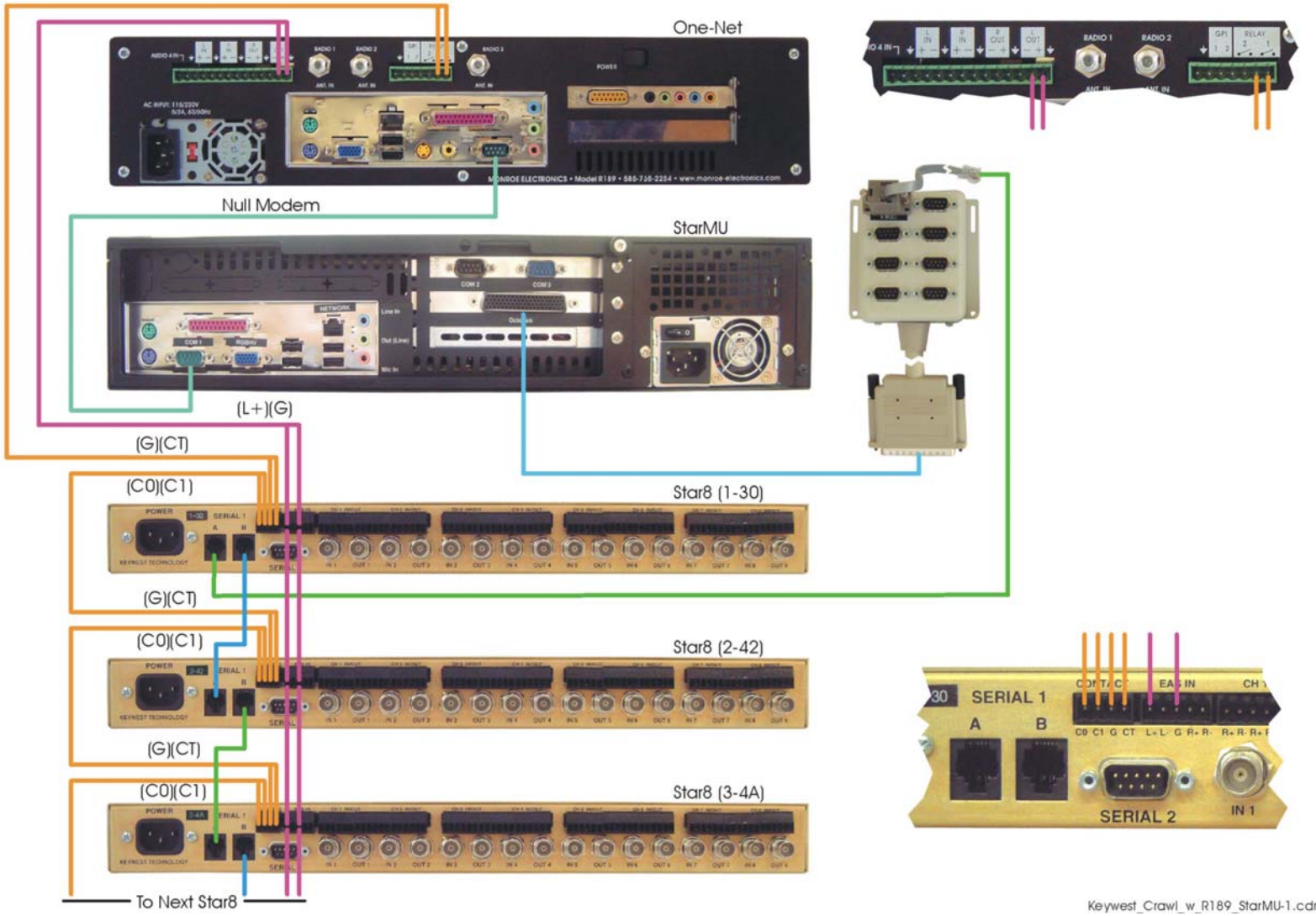



MONROE ELECTRONICS
Baseband System
R189
CX508S
R177M
BASEBAND SWITCH
R177S
BASEBAND SWITCH
R177S
BASEBAND SWITCH
No specific polarity needs to be observed for the first power supply, however, all subsequent power supplies must be connected with the same wire orientation as the first supply.
Terminate Last Unit (75 ohm)
BB system.cdr
AUDIO 4 IN
L IN
R IN
R OUT
L OUT
GPI
RELAY
RADIO
ANT. IN
EAS AUDIO IN -
GND
EAS AUDIO IN +
12 VAC
EAS AUDIO OUT -
GND
EAS AUDIO OUT +
VIDEO
SYSTEM TEST
AUDIO
Connect to Power Cube
EAS AUDIO IN -
GND
EAS AUDIO IN +
12 VAC
Connect to Power Cube
600 ohm Terminate Last Unit (560-620 ohm)

Crawl System

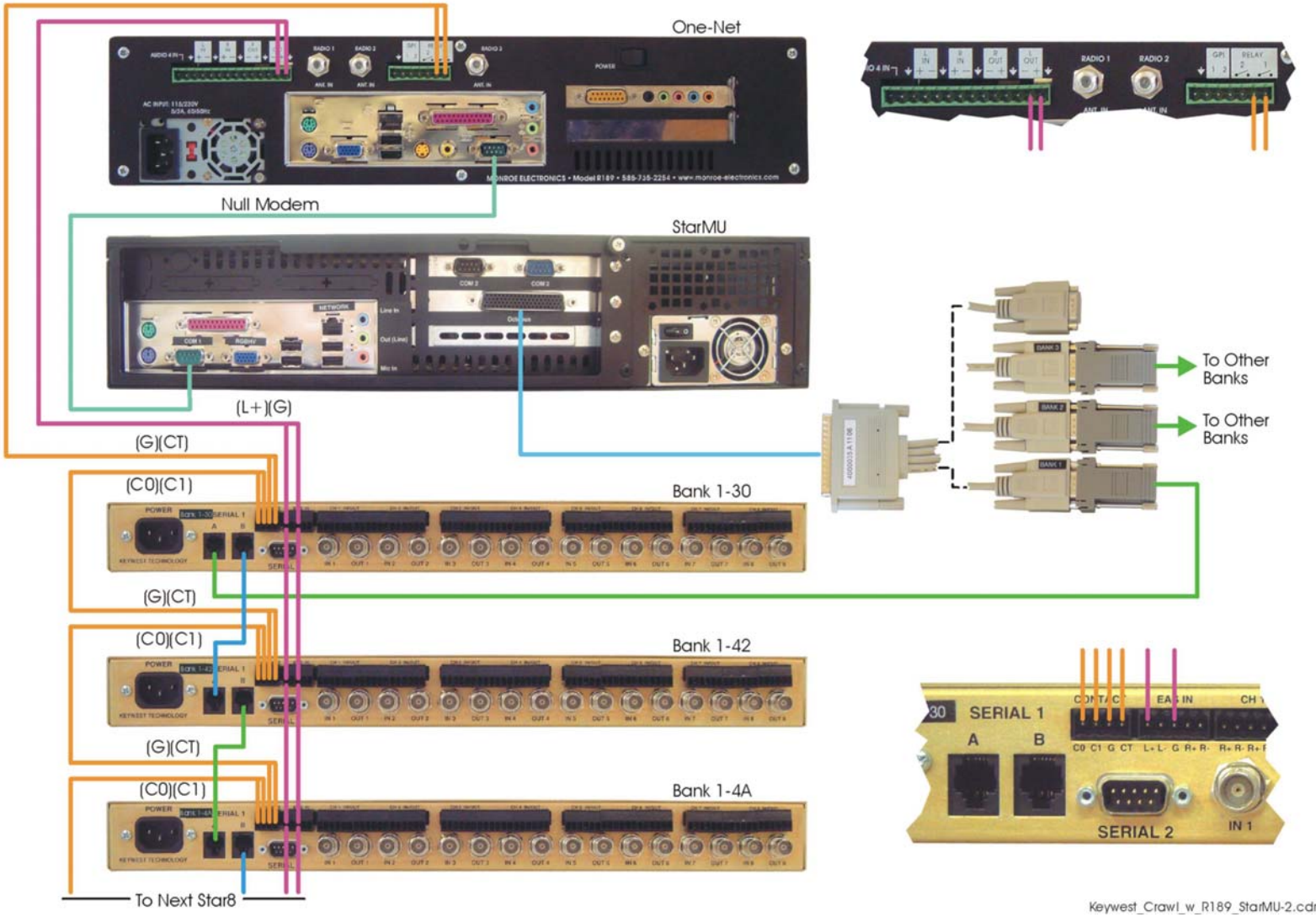


Keywest Crawl System w/ One-Net



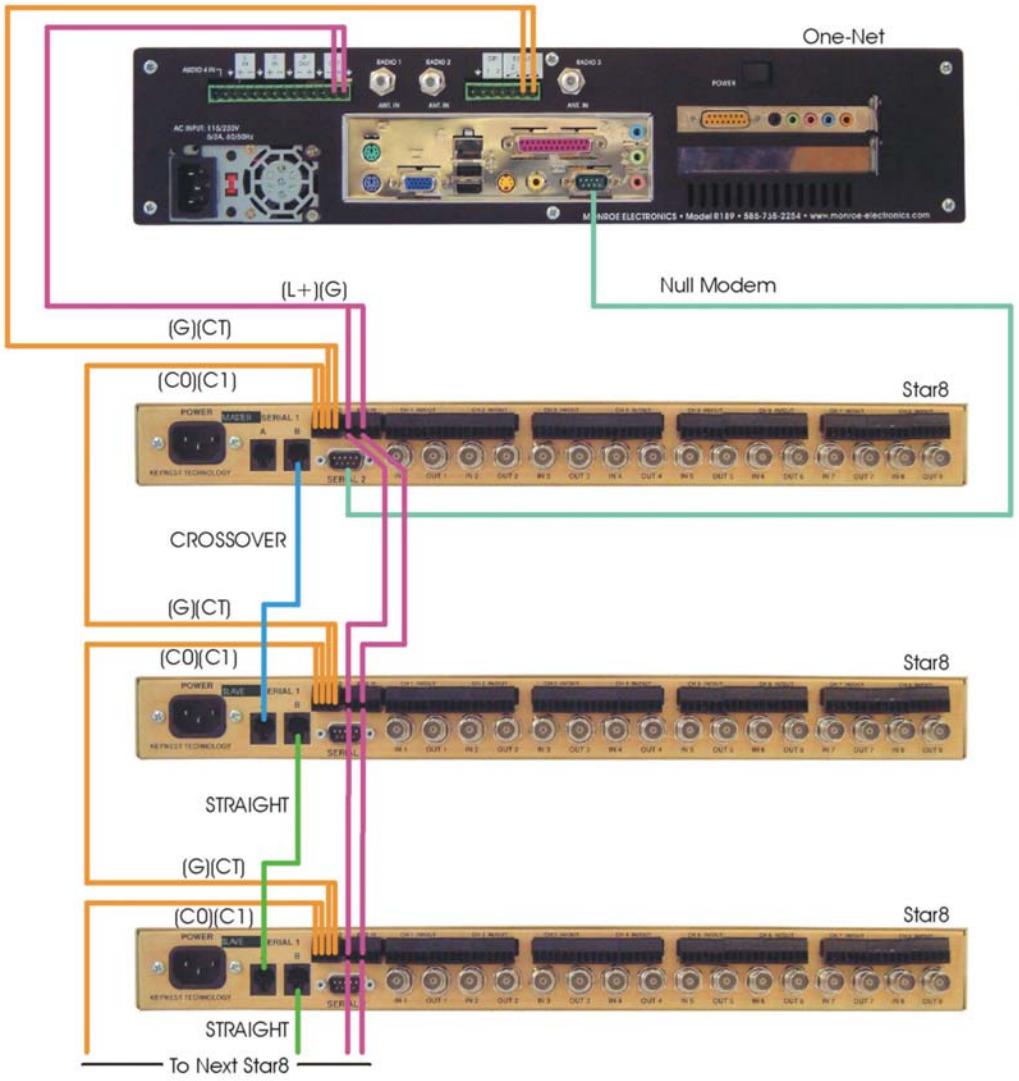
Keywest_Crawl_w_R189_StarMU-1.cdr

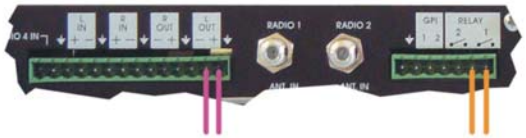
Keywest Crawl System w/ One-Net

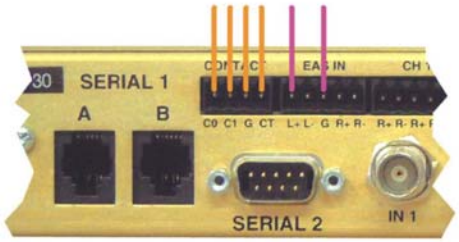


Keywest_Crawl_w_R189_StarMU-2.cdr

Keywest Crawl System w/ One-Net

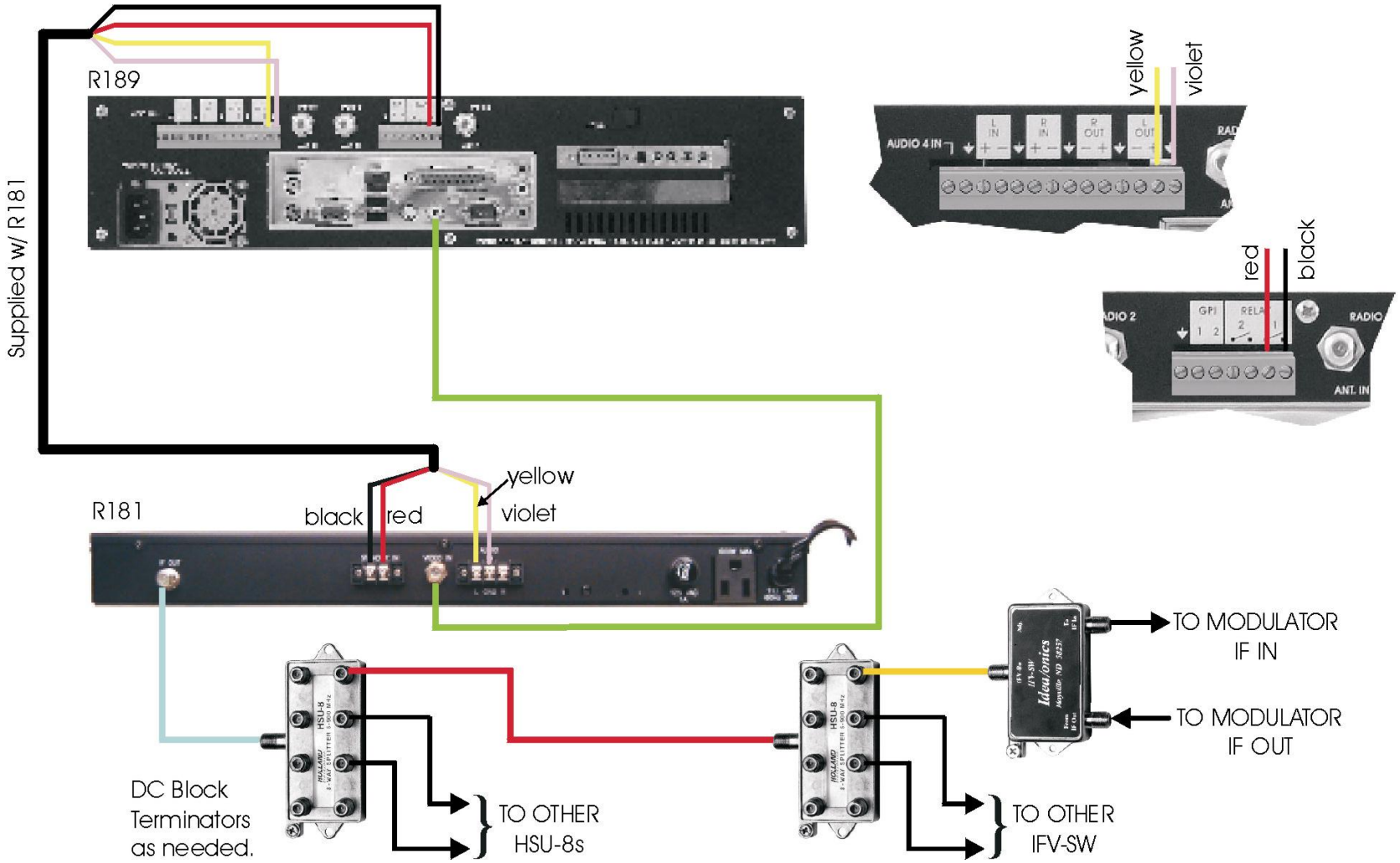






Keywest_Crawl_w_R189.cdr

IF System


R189
Supplied w/ R181
yellow
violet
AUDIO 4 IN
red
black
RADIO
ANT. IN
R181
black
red
yellow
violet
DC Block
Terminators
as needed.
TO OTHER
HSU-8s
TO OTHER
IFV-SW
TO MODULATOR
IF IN
TO MODULATOR
IF OUT

Your basic setup for the One-Net is complete. If you used a Monitor, Keyboard and mouse directly connected to the One-Net to do your programming please do the following.

- Right click on the desktop and click on “Logout” to exit the desktop. The unit will return to a command prompt and is ready for operation.

If you programmed the One-Net from a PC either directly connected or through your LAN, your One-Net is ready for operation.