

Barix Reflector Service Information

EWTN Radio Network can be received from the Galaxy 15 satellite and also from a secondary, non-satellite IP delivery option for its Radio Networks using what is known as a Barix Reflector Service. Our recent testing of this delivery option has confirmed a very qualitative, consistent and reliable feed, robust in sound quality and without latency issues.

In light of the Barix IP delivery option now available, we strongly recommend EWTN Radio Network affiliates to utilize *both options*, the Galaxy 15 satellite feed and the Barix IP means of delivery, on the local end. Whether you use satellite service as your primary and Barix Reflector service as your back-up, or vice-versa, affiliates have a reliable and dependable way to remain on the air despite the numerous issues that could arise adversely affecting affiliate broadcasts.

The following is a complete and thorough explanation of details and instructions on moving forward to implement this service on the local affiliate end.

EWTN Radio has established a service with Streamguys to allow for IP-audio delivery using Barix Exstreamer hardware decoders. We recommend the Exstreamer 500 since it has balanced audio outs, and 4 sets of contacts (should EWTN Radio add contact closures as an option in the future, only those affiliates with 500 and 1000 models will be able to take advantage of that service). Other Barix units will also work with the Reflector service (Barix 100, 105, 110, and 120).

All units will need to have the Reflector Client loaded for which there are three options:

1. Have the unit(s) shipped to EWTN at the address provided below, we will install the firmware and pre configure the device on the Reflector Service.

EWTN Global Catholic Network
5817 Old Leeds Road
Irondale, AL 35210
Attention: **Glen Tapley**

2. Have the unit(s) shipped direct to you and then install the firmware per the directions below.

SETTING UP YOUR BARIX DEVICE (firmware). Connect a computer and Barix unit into the switch or router from Internet. Connect headphones or a speaker to the Barix unit. Listen for unit's IP and jot it down. Download the firmware zip file and save it to your PC's desktop:

http://www.barix.com/fileadmin/data/firmware/STL/abcl_stl_v0306_20140129.zip

into the boxes at their local IP address

- ï Click on (Update)

- ï Next to the resource window, select (Browse).

- ï Browse to the unzipped update folder, go to the (Update Rescue) folder, and select the (Compound.bin) file.

- ï Click (Upload) The box will indicate when the upload is complete and will then reboot. Then do the following:

- ï Go back to the update page and verify that the firmware version is correct.

- ï Go to the Defaults tab and click (Reset to Factory Defaults)

- ï Go to the Reboot tab and make sure that (Reflector-based STL) is selected. If not, select it and then click (Reboot)

CHECKING THE CONFIGURATION SETTINGS

Lastly, go to the Configuration page and click (Reflector). Make sure that the Configuration 1 URL's are: us-reflector.streamguys.com eu-reflector.streamguys.com

3. IP-Audio.com is offering to preinstall and configure the units (500's only) and then ship direct to affiliate at no additional cost (see Sources for Barix Decoders below).

Sources for Barix Decoders

BSW is offering the following:

Exstreamer 500 for \$546.88 each + shipping

Exstreamer 100 for \$170.63 each + shipping

To receive these prices you will need to contact Justin Warbreck and tell him you are an EWTN Radio affiliate.

Justin Warbreck justinw@bswusa.com 1-877-564-0564 (Toll Free Direct)

ProAudio.com has several Exstreamer 100's and 500's in stock.

IP-Audio.com is offering the Exstreamer 500 for \$595.00 each + shipping w/a \$10.00 discount code: **13df3c4265**

If you include a note in the comment section that you are a EWTN Radio affiliate they will pre-load the Reflector Service firmware and ship directly to you.

Note: All units will require the Reflector firmware to be installed before they can communicate with the Reflector Service.

EWTN will require the following information from affiliates for each unit planned to be used*:

Affiliate Name: _____

Station Call Letters/City/State: _____

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Barix Model: _____

Unit MAC Address: _____

**** Decoders will not connect to the EWTN Radio Reflector Service until we have all of this information, and have the device added to our Reflector project.***

Due to no individual affiliate billing from our Stream guys IP-audio delivery partner, EWTN satisfies the total service fee for each affiliate using this non-satellite Barix option.

That said, for affiliates who choose to use the non-satellite Barix service, whether as a primary or back-up feed, a tax-deductible annual donation of \$132.00 for the service from each station use of the Barix reflector is sincerely appreciated.

Please make all checks payable to EWTN, include notation in bottom left as: for Radio Reflector Service Donation

Mail to:

EWTN Global Catholic Radio Network

5817 Old Leeds Road

Irondale, Al 35210