

## **IDC SFX 4104 Pro Audio Configuration Checklist**

Here's a list of items to check before you start operations with your new IDC SFX4104 Pro Audio receivers. The following list assumes basic familiarity with the SFX web GUI conventions.

If, after checking these items, you are still having problems receiving files or audio streams, contact the PRSS Help Desk at 800.971.7677 or via email at [prsshelp@npr.org](mailto:prsshelp@npr.org).

**Most important first step:** Check the ContentDepot Portal to determine which of your SFX4104 receivers is "Pro Audio 1" and which is "Pro Audio 2", and so forth.

To find the assignments:

1. Log into the ContentDepot portal
2. Go to "Profile" (on the lower left side of the page)
3. Click on the "Customer Information" link
4. Go to the "Delivery" tab where the serial numbers listed under "V2" equipment indicate how your receivers are assigned.

**NOTE:** When you look at your program subscriptions in the ContentDepot portal, keep in mind that the new Pro Audio receivers are the "V2" receivers on all reports and subscription pages.

After installing your new receivers, wait at least 24 hours to allow the system to automatically load the latest software on your receiver, and then confirm the following settings below (these settings are organized by the tabs on the receiver's home page):

### **Identity Tab**

1. Identity page: Confirm latest software versions are loaded:

Product number: 92084590 or 92083950  
Firmware Version: 2.21  
Livewire Version: 1.3  
XD Version: 1.14  
LiveAssist Version: 1.10  
ProAudio Version: 1.7  
DAs: 911, 928  
Board Revision: 6

2. Identity page: Set Sat0 IP = 10.255.255.3 Sat1 IP = 10.255.255.4
3. Identity page: Make sure Net1 (Eth0) and Net2 (Eth1) are on different subnets
4. Identity page: If you don't need to set a default gateway, make sure that field is blank (it could slow down page load and network operations otherwise).

## DVB Carrier Tab

1. DVB Carrier: **Tuner Mode** puddle – **Dual** Tuner; Input = **Common**; Data Output = **Independent**
2. DVB Carrier: L-Band 1 Carrier Definitions – Confirm the following: (Edit if necessary to match)  
**Frequency:** *1391.700000 MHz*  
**Symbol Rate:** *11250.000 ks/s*  
**Modulation Standard:** *DVB-S*  
**Viterbi/Code Rate:** *Auto*  
**Alpha Factor:** *N/A*  
**NCC PID:** *4154 (103A)*  
**Enable 22kHz Tone:** *Disabled*  
**Polarization:** *Horizontal (18V)*
3. DVB Carrier: L-Band 2 Carrier Definitions – Confirm the following: (Edit if necessary to match)  
**Frequency:** *1345.100000 MHz*  
**Symbol Rate:** *4940.000 ks/s*  
**Modulation Standard:** *DVB-S*  
**Viterbi/Code Rate:** *Auto*  
**Alpha Factor:** *N/A*  
**NCC PID:** *4154 (103A)*  
**Enable 22kHz Tone:** *Disabled*  
**Polarization:** *Horizontal (18V)*
4. DVB Carrier: L-Band 2 LNB Attributes puddle – Supply Select: **Enabled**

## Audio Tab

1. Audio - Audio Configuration puddle – Ensure Livewire is disabled for each output if you do not intend to use Livewire. Note: When Livewire is enabled, analog and AES/EBU audio outputs and associated metering are disabled.

## Channel Guide tab

Observe: If all four audio players are on Channel 8, Classical 24, then cycle power to the 4104. This setting resulted from a default parking of the channels when they were originally shipped

## Data Delivery Tab

1. Data Delivery – L-Band 1 Pids and Ports puddle – Ensure that the Net Port(s) enabled checkbox is checked. Also ensure pids 601, 4152, 4153, and 4155 are listed and enabled. The other pids listed here 1001-1045 odd numbered will be enabled randomly according to responses to your station's subscriptions set up in the ContentDepot web portal.
2. Data Delivery – L-Band 2 Pids and Ports puddle – Ensure that the Net Port(s) enabled checkbox is checked. Also ensure Pids 600 and 4152 are listed and enabled here.

### **XD Tab**

1. XD – XD Client puddle – Ensure XD Client and XD Dataman status are Green.
2. XD – XD Client puddle – Channel 1 In Adapter = Satellite (sat1) Channel 2 in Adapter = Satellite (sat0)
3. XD – XD License Info: puddle – Ensure box has a valid Site ID (Not zero)
4. XD – XD Retriever puddle - Ensure XD Retriever status is green. If not, press “Start Retriever” button on left side of screen.

### **Configuration Tab**

1. Configuration – Ethernet Configuration puddle – set eth0/eth1 to Autonegotiate. Hit send update twice.
2. Configuration – SSH puddle – Ensure Allow Users = Admin, Monitor, and User
3. Configuration – Samba puddle – Set All shares Read/Write

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