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Time Required: 30 minutes	Models Affected: Android 7xe and 7xi Consoles (EP620, EP621, TM527, TM528); Android 3xe and T3xh Consoles (EP625, TM708)

PURPOSE

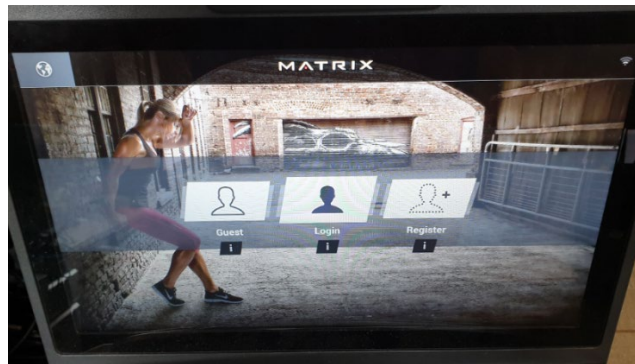
The Enseo Set-Top Box (STB) is intended as a solution for Pro:Idiom Encrypted IPTV. This guide will use the 7xe as an example, but the setup for 7xi, 3xe, or T3xh is the same.

REQUIRED ITEMS

- USB Drive (Contains XML Channel List)
- XML Channel List (rs232ChannelConfig.xml, **provided by JHTNA**)

PROCEDURE

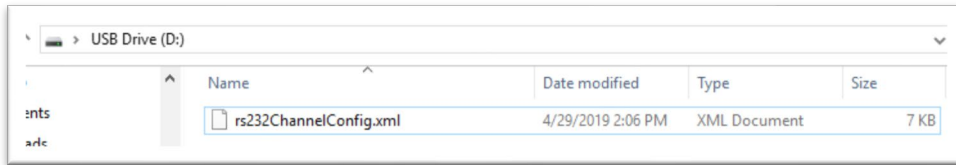
Setup



1. Press '1001 Enter' on the keypad to enter Manager Mode.
2. Navigate to the TV tab and select source 'ProIPTV'.



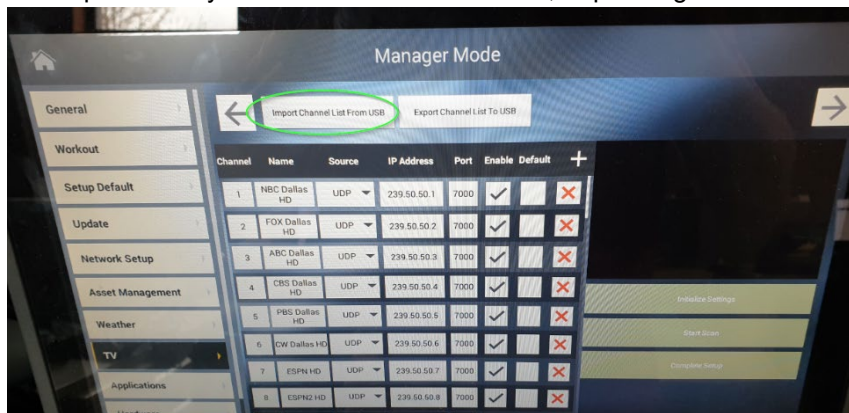
3. Insert the USB drive into the USB port on the front of the console.
 - a. Make sure the XML Channel list is located on the root of the USB drive:



4. An onscreen pop-up will appear. Select ProIPTV.



5. Select 'Import Channel List From USB'
 - a. There is no progress bar indicating complete import.
 - b. The import usually takes less than 10 seconds, depending on size of the channel list.



6. When the channel list is finished loading, click 'Initialize Settings'.
 - a. A progress box will appear.



7. Once the update is complete, click 'Complete Setup'.
 - a. Another progress box will appear:



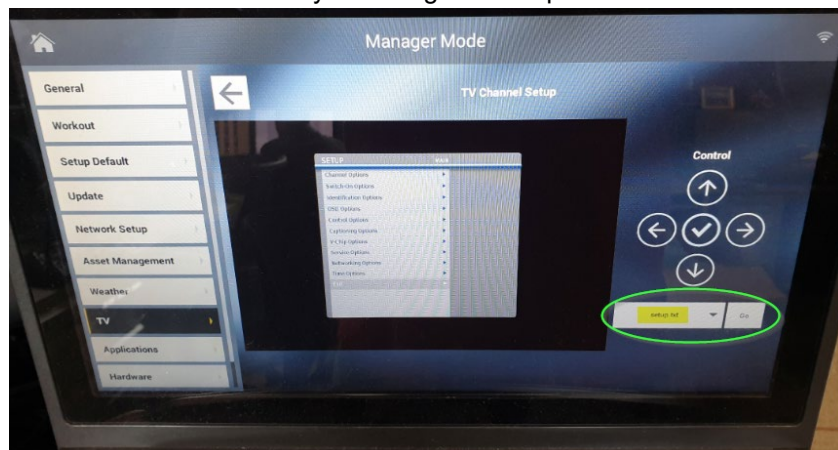
8. When setup is complete, click the upper right arrow button.
9. From this page, you should see content on the screen.
 - a. If you see content, exit setup and test audio and video in a regular workout.

Troubleshooting

1. If the "Import Channel List from UCB" button does not work, check the following:
 - a. Verify the USB port is functioning.
 - b. Verify the file is located on the USB drive appropriately.
 - c. Verify the file name is exactly "rs232ChannelConfig.xml".
 - d. Verify the syntax of the XML file. Attributes required:
 - i. name, chnumber, source, port, enabled, default
 - ii. Example below:

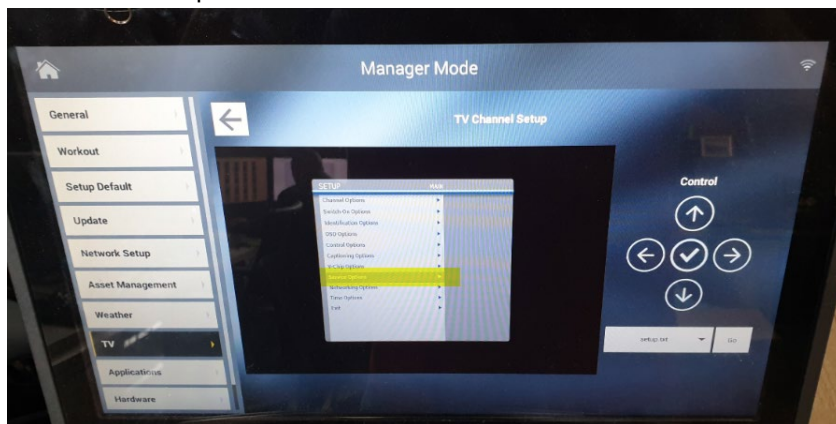
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<?xml version='1.0' encoding='UTF-8' standalone='yes' >
<RS232Channels>
  <Channels>
    <Channel name="NBC Dallas HD" chnumber="1" source="UDP" ip="239.50.50.1" port="7000" enabled="true" default="false" />
    <Channel name="FOX Dallas HD" chnumber="2" source="UDP" ip="239.50.50.2" port="7000" enabled="true" default="false" />
    <Channel name="ABC Dallas HD" chnumber="3" source="UDP" ip="239.50.50.3" port="7000" enabled="true" default="false" />
    <Channel name="CBS Dallas HD" chnumber="4" source="UDP" ip="239.50.50.4" port="7000" enabled="true" default="false" />
    <Channel name="PBS Dallas HD" chnumber="5" source="UDP" ip="239.50.50.5" port="7000" enabled="true" default="false" />
    <Channel name="CW Dallas HD" chnumber="6" source="UDP" ip="239.50.50.6" port="7000" enabled="true" default="false" />
    <Channel name="ESPN HD" chnumber="7" source="UDP" ip="239.50.50.7" port="7000" enabled="true" default="false" />
    <Channel name="ESPN2 HD" chnumber="8" source="UDP" ip="239.50.50.8" port="7000" enabled="true" default="false" />
    <Channel name="ESPNews HD" chnumber="9" source="UDP" ip="239.50.50.9" port="7000" enabled="true" default="false" />
    <Channel name="ESPNU HD" chnumber="10" source="UDP" ip="239.50.50.10" port="7000" enabled="true" default="false" />
    <Channel name="NFL Network HD" chnumber="11" source="UDP" ip="239.50.50.11" port="7000" enabled="true" default="false" />
    <Channel name="NBC Sports Network HD" chnumber="12" source="UDP" ip="239.50.50.12" port="7000" enabled="true" default="false" />
    <Channel name="Golf HD" chnumber="13" source="UDP" ip="239.50.50.13" port="7000" enabled="true" default="false" />
    <Channel name="CNN HD" chnumber="14" source="UDP" ip="239.50.50.14" port="7000" enabled="true" default="false" />
    <Channel name="CNN Headline News HD" chnumber="15" source="UDP" ip="239.50.50.15" port="7000" enabled="true" default="false" />
    <Channel name="Fox News Channel HD" chnumber="16" source="UDP" ip="239.50.50.16" port="7000" enabled="true" default="false" />
    <Channel name="MSNBC HD" chnumber="17" source="UDP" ip="239.50.50.17" port="7000" enabled="true" default="false" />
    <Channel name="CNBC HD" chnumber="18" source="UDP" ip="239.50.50.18" port="7000" enabled="true" default="false" />
    <Channel name="Bloomberg HD" chnumber="19" source="UDP" ip="239.50.50.19" port="7000" enabled="true" default="false" />
    <Channel name="The Weather Channel HD" chnumber="20" source="UDP" ip="239.50.50.20" port="7000" enabled="true" default="false" />
    <Channel name="Cartoon Network HD" chnumber="21" source="UDP" ip="239.50.50.21" port="7000" enabled="true" default="false" />
    <Channel name="Nickelodeon HD" chnumber="22" source="UDP" ip="239.50.50.22" port="7000" enabled="true" default="false" />
    <Channel name="Lifetime HD" chnumber="23" source="UDP" ip="239.50.50.23" port="7000" enabled="true" default="false" />
    <Channel name="Freeform HD" chnumber="24" source="UDP" ip="239.50.50.24" port="7000" enabled="true" default="false" />
    <Channel name="A&E HD" chnumber="25" source="UDP" ip="239.50.50.25" port="7000" enabled="true" default="false" />
    <Channel name="BET HD" chnumber="26" source="UDP" ip="239.50.50.26" port="7000" enabled="true" default="false" />
  </Channels>
</RS232Channels>
```

2. If the smaller black display box on the channel list screen is black and not displaying the Enseo embedded GUI:
 - a. Click the upper right arrow button to continue to view the large black display box.
 - b. Enter the embedded GUI by selecting the 'setup.txt' menu button. Press 'Go'.

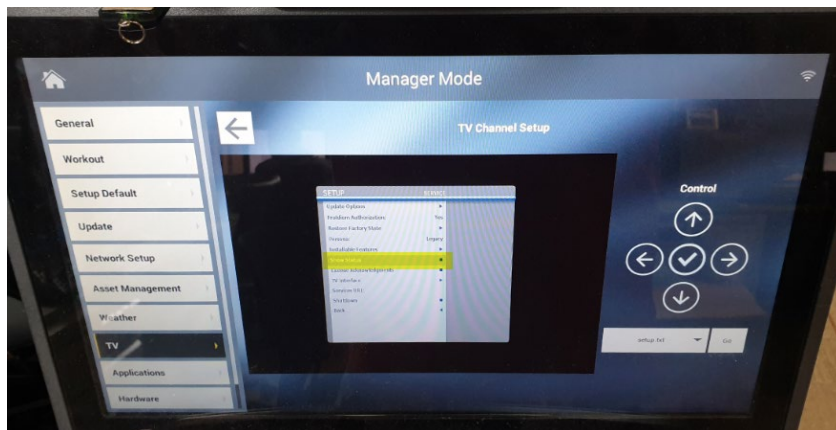


- c. Verify the embedded GUI is visible.
- d. Exit the embedded GUI menu by pressing the 'Go' button again.
- e. Return to previous channel list screen.

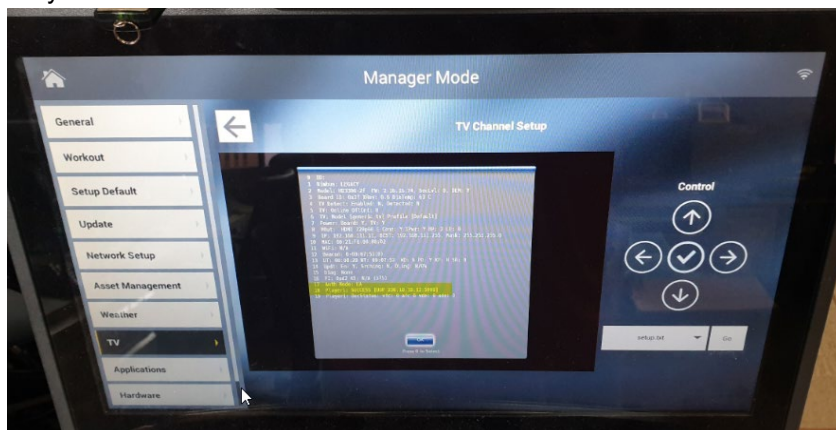
3. If GUI is visible but no channel content is visible:
 - a. Enter the embedded GUI by selecting the 'setup.txt' menu button. Press 'Go'.
 - b. Select 'Service Options'.



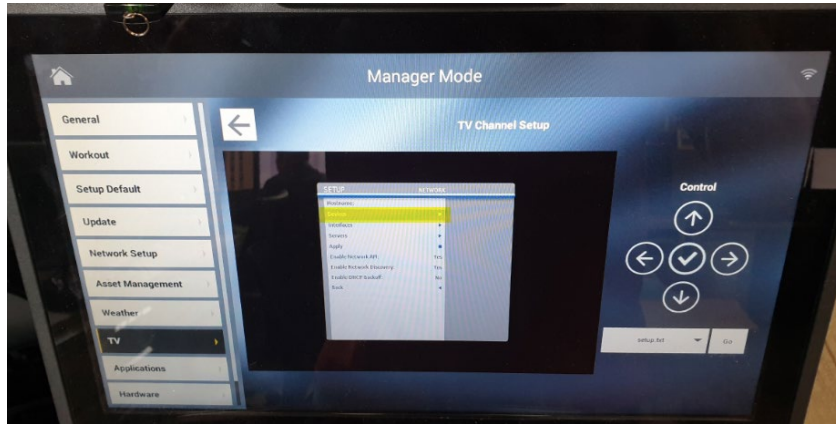
- c. Select 'Show Status':



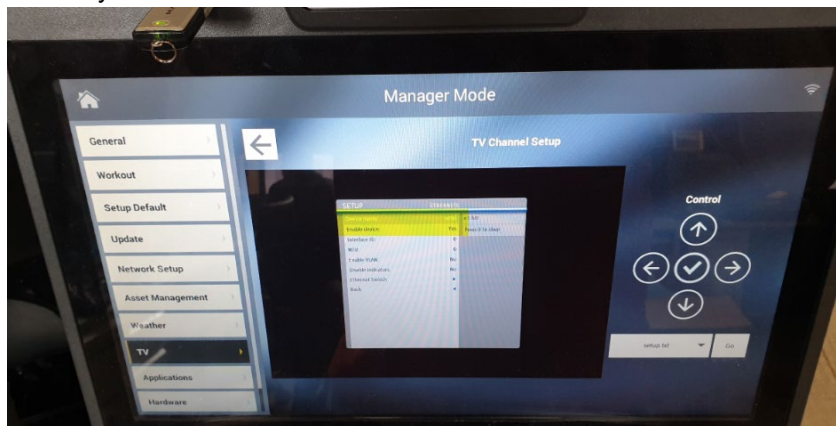
- d. Verify the status shows 'Success' with a UDP address as below:



4. If 'Success' does not show within the service menu, verify network settings:
 - a. Select 'Networking Options' in the main menu of the embedded GUI.
 - b. Select 'Devices'.



- c. Select 'Ethernet0'.
- d. Verify 'eth0' is enabled.



- e. Return to the previous menu and select 'Interfaces'.



- f. Select the 'eth0' interface.



- g. Verify 'Use DHCP' is set to 'Yes' if DHCP is enabled at the site.
- i. This will be the vast majority of installs
 - ii. If it is known that DHCP is not used, further setup will be necessary and it is recommended that the IT team at the club work directly with the NA sales office.



- h. If all above settings are OK and appropriate, check the networking connections, especially the connector at the bottom of the frame. A bent pin can present an array of problems, including intermittent connectivity or complete loss of networking signal.
- i. Note, a 'link' LED indicator on the Enseo STB is insufficient for evaluating whether connectivity is adequate. A link LED can be displayed even though the Enseo STB is incapable of receiving packets from the network.

