

Prepared by:	Date Prepared:
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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:

. , 03	D Drive (D;)				
	^	Name	Date modified	Туре	Size
nts		rs232ChannelConfig.xml	4/29/2019 2:06 PM	XML Document	7

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

*	Manager Mode	
General	Import Channel List From USB Export Channel List To USB	
Workout	Channel Name Source IPAddress Port Enable Default +	-
Setup Default	1 480ish UDP - 230.10.10.12 5000 - X X	
Update	2 720ish UDP	
Network Setup	3 1280ich UDP Pro[PTV X	
Asset Management		
Weather	5 2566iih UDP 220/01/01/6 9000 V	

- 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.

				Mahage		ae			
General	K	Import Ch	annel List From U	SB Export	Channel Li	st To USB			
Workout	Chan	inel Name	Source	IP Address	Port	Enable Default	+		
Setup Default		NBC Dallas	UDP 👻	239.50.50.1	7000	× >	<		
Update		2 FOX Dalla HD	s UDP 🔻	239.50.50.2	7000	1	<]		
Network Setup		3 ABC Dalla HD	udd 🗸	239.50.50.3	7000	Y /// 🔀			
Asset Management		4 CBS Dall HD	as UDP -	239.50.50.4	7000	× III ×		Initialize Settings	
Weather		5 PBS Dal HD	las UDP -	239.50.50.5	7000	× ×		Citati Direa	-
		6 CW Dall	IS HD UDP	239.50.50.6	7000	× 🛛 ×		alight (an all)	_



- 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:

Contract Contraction		
	Manager Mode	
General	Import Channel List From USB Export Channel List To USB	
Workout	Channel Name Source ID Address Dark Eachle Duford	
Setup Default	1 NBC Dallas UDP 239,50.50.1 7000	
Update	2 FOX Dallas UDP - 230 50 50 2 7000	×
Network Setup	3 ABC Dallas UDP	×
Asset Management	4 CBS Dallas UDP - 239.50.50.4 7000 -	×
Weather	5 PBS Dallas UDP - 239.50.50.5 7000	
TV	6 CW Dalfas HD UDP - 239.50.50.6 7000	X
Applications	7 ESPN HD UDP 🗸 239 50.50.7 7000 🗸	Complete Setup
Hardware	8 ESPN2 HD UDP - 239.50.50.8 7000	×

- 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:

<pre><?xml version='1.0' encoding='UTF-8' standalone='yes' ?></pre>
<pre>¬<r5232channels></r5232channels></pre>
Channels>
<pre><channel chnumber="1" default="false" enabled="true" ip="239.50.50.1" name="NBC Dallas HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="2" default="false" enabled="true" ip="239.50.50.2" name="FOX Dallas HD" port="7000" source="UDP"></channel>
<pre><channel chnumber="3" default="false" enabled="true" ip="239.50.50.3" name="ABC Dallas HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="4" default="false" enabled="true" ip="239.50.50.4" name="CBS Dallas HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="5" default="false" enabled="true" ip="239.50.50.5" name="PBS Dallas HD" port="7000" source="UDP"></channel>
<pre><channel chnumber="6" default="false" enabled="true" ip="239.50.50.6" name="CW Dallas HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="7" default="false" enabled="true" ip="239.50.50.7" name="ESPN HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="8" default="false" enabled="true" ip="239.50.50.8" name="ESPN2 HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="9" default="false" enabled="true" ip="239.50.50.9" name="ESPNews HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="10" default="false" enabled="true" ip="239.50.50.10" name="ESPNU HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="11" default="false" enabled="true" ip="239.50.50.11" name="NFL Network HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="12" default="false" enabled="true" ip="239.50.50.12" name="NBC Sports Network HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="13" default="false" enabled="true" ip="239.50.50.13" name="Golf HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="14" default="false" enabled="true" ip="239.50.50.14" name="CNN HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="15" default="false" enabled="true" ip="239.50.50.15" name="CNN Headline News HD" port="7000" source="UDP"></channel>
<pre><channel chnumber="16" default="false" enabled="true" ip="239.50.50.16" name="Fox News Channel HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="17" default="false" enabled="true" ip="239.50.50.17" name="MSNBC HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="18" default="false" enabled="true" ip="239.50.50.18" name="CNBC HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="19" default="false" enabled="true" ip="239.50.50.19" name="Bloomberg HD" port="7000" source="UDP"></channel>
<pre><channel chnumber="20" default="false" enabled="true" ip="239.50.50.20" name="The Weather Channel HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="21" default="false" enabled="true" ip="239.50.50.21" name="Cartoon Network HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="22" default="false" enabled="true" ip="239.50.50.22" name="Nickelodeon HD" port="7000" source="UDP"></channel>
<pre><channel chnumber="23" default="false" enabled="true" ip="239.50.50.23" name="Lifetime HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="24" default="false" enabled="true" ip="239.50.50.24" name="Freeform HD" port="7000" source="UDP"></channel></pre>
<pre><channel chnumber="25" default="false" enabled="true" ip="239.50.50.25" name="A&E HD" port="7000" source="UDP"></channel></pre>
<channel chnumber="26" default="false" enabled="true" ip="239.50.50.26" name="BET HD" port="7000" source="UDP"></channel>

- 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.

