

MATRIX	Installation Guide: IPTV Installation for 7xi Consoles	
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DESCRIPTION

Use this guide to verify proper installation and programming of 7xi consoles with IPTV (Ethernet connected) and Pro:Idiom encryption

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1. INSTALLATION COMPONENTS

1.1 Introduction

The IPTV bundle is a hardware solution that allows facilities to deliver encrypted IPTV content to a Matrix T7xi/7xi console. This hardware receives content from a set top box (STB) through an HDBaseT transmitter connected to the STB. The transmitter delivers the HDMI signal to a connected HDBaseT receiver.

These instructions are intended for IPTV installation and programming for encrypted signals on T7xi/7xi IPTV consoles. For the IPTV to work, the console application software version must be 6.8 or above¹. Once IPTV installation is complete and the equipment has been installed with provided internal power and TV cables, the television must be programmed to the club's channels and settings.

The IPTV receiver kits need to be built into the 7xi consoles before shipping and a transmitter kit must be ordered with each 7xi IPTV-ready console. (See Table 1).

Table 1: The T7xi/7xi IPTV console and transmitter kit combinations

Model	T7xi	7xi
IPTV Console model no.(including receiver)	T-7XIIPTV-02-C (TM521F)	HURESAC-7XIIPTV-02 (EP614F)
Transmitter kit no.	1000379443	

¹ To update software, see [Appendix](#)

1.2. Installation Responsibilities

The following hardware or information and the respective responsibility of providing it is detailed as follows:

Item	Responsibility
Additional outlet to accommodate at the base of each 7xi to accommodate HDBaseT receiver power supply	Property
IDF with 2x outlets to accommodate Notes: 1) No more than 12 HDBaseT transmitter units powered by one 15 A breaker and 15 transmitter units by one 20 A breaker 2) Consecutive outlets need to be spaced at least xx to accommodate HDBaseT transmitter power supplies	Property
CAT6 with 1-1 connections from IDF to 7xi	Network admin / TV provider
Mount x STB's in IDF within 3 m of HDBaseT transmitter location	Network admin / TV provider
Configuration of x STB's in the IDF for output resolution of 720p or 1366 x 768 resolution ²	Network admin / TV provider
Ethernet switch in IDF with x + 1 ports available	Network admin / TV provider
Install and configure Netpulse gateway	Matrix Fitness
Install Matrix 7xi with HDBaseT Receiver	Matrix Fitness
Install HDBaseT transmitter in IDF	Matrix Fitness

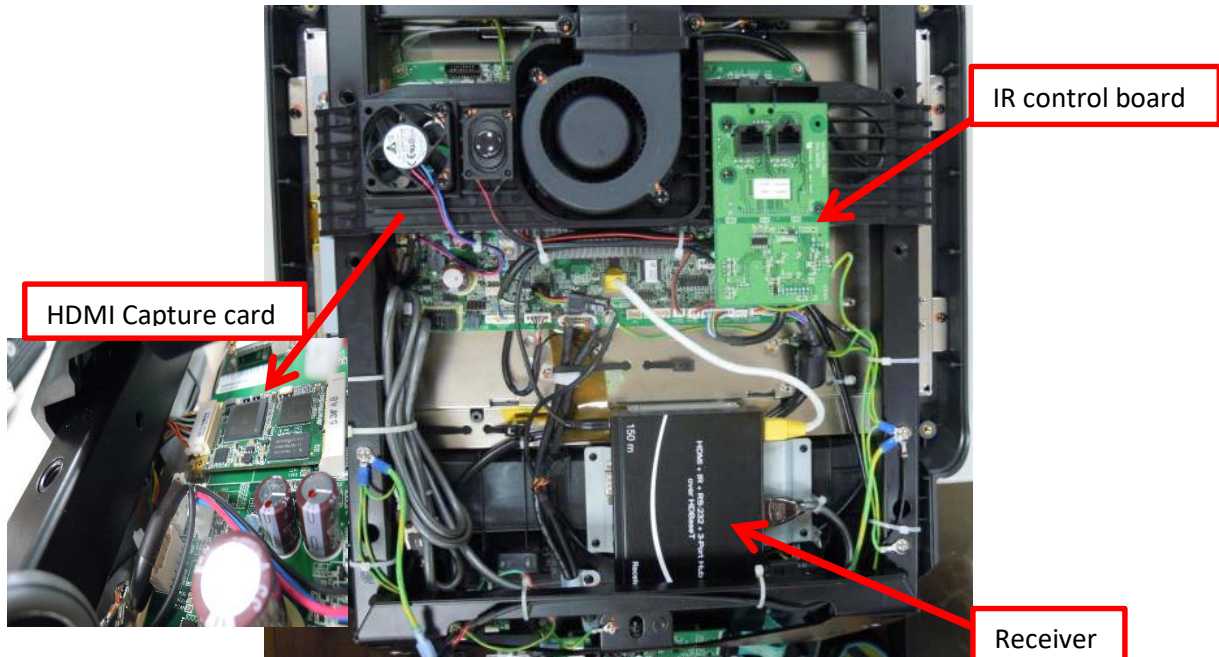
*x = number of 7xi units

² To configure STB, see [Appendix](#)

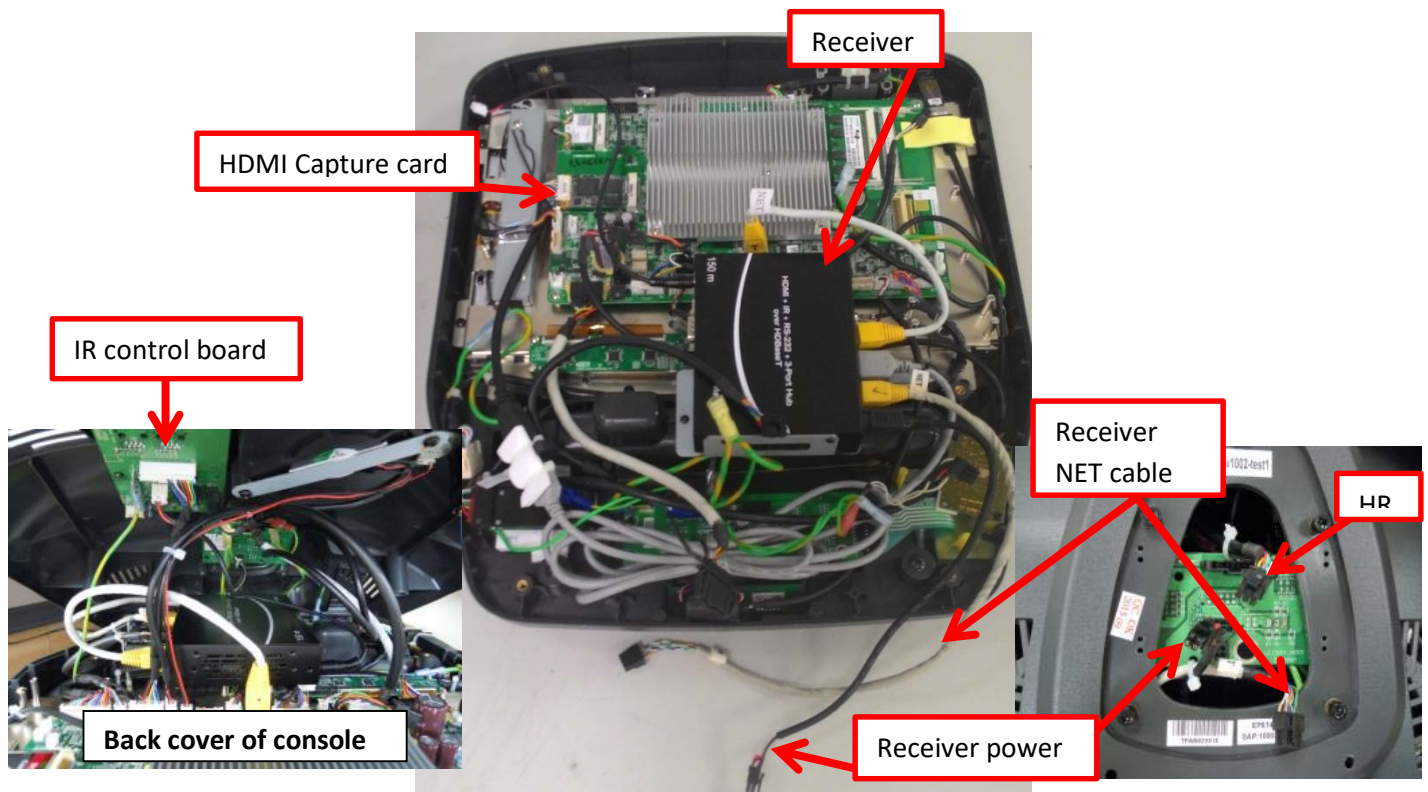
1.3 Layout of Components

A. Consoles

1. IPTV Console, T-7XIIPTV-02-C (TM521F)



2. IPTV Console, HURESAC-7XIIPTV-02 (EP614F)



B. Transmitter



C. Receiver

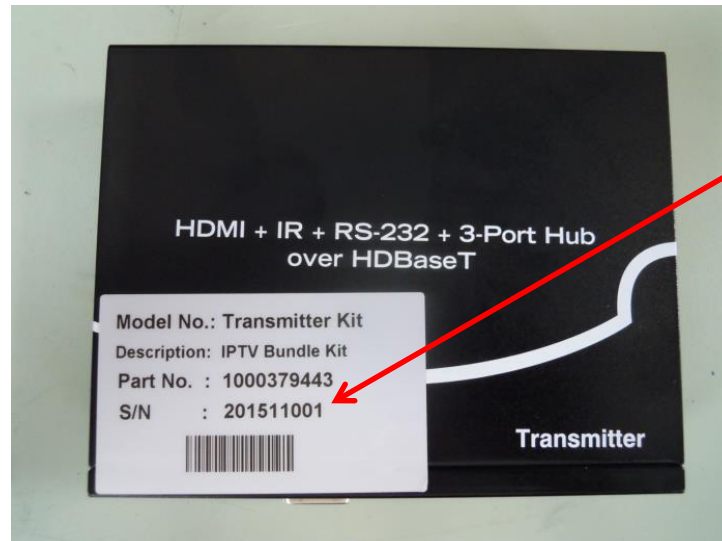


D. LG Set Top Box (STB) *Supplied by cable TV service provider



STB Model:
LG 2000
LG 3000
Enseo 3300

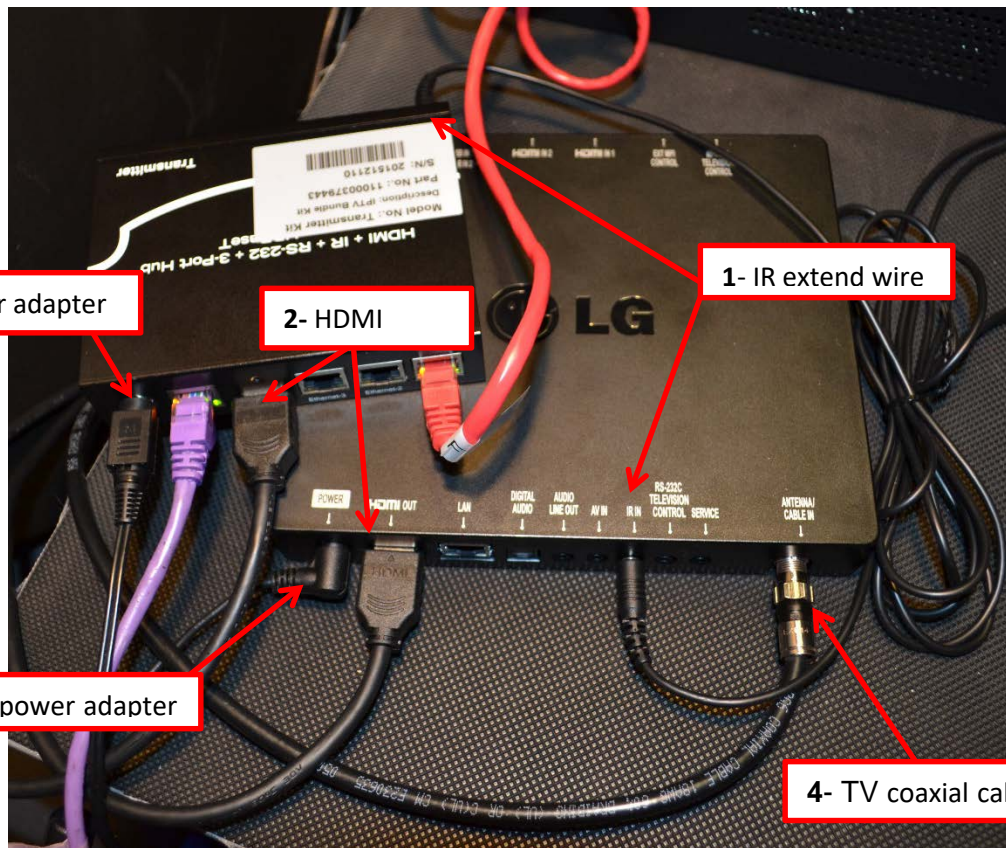
2. SERIAL NUMBER LOCATION



3. INSTALLATION INSTRUCTIONS

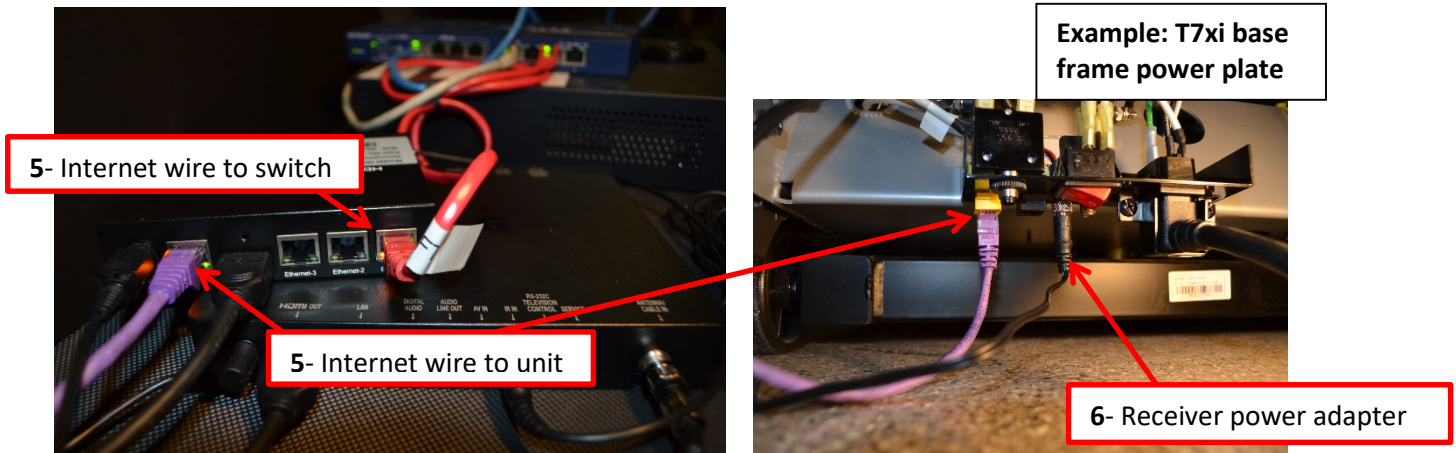
3.1 Assembling the Set top Box, Transmitter, and Receiver

1. Connect the IR extend wire from the STB (IR IN) to the transmitter (IR out).
2. Connect the HDMI cable from the STB (HDMI OUT) to the transmitter (INPUT).
3. Connect the power adapter cables for the STB and for the transmitter, and then connect each power cable to a wall outlet.
4. Connect the TV coaxial cable to STB.



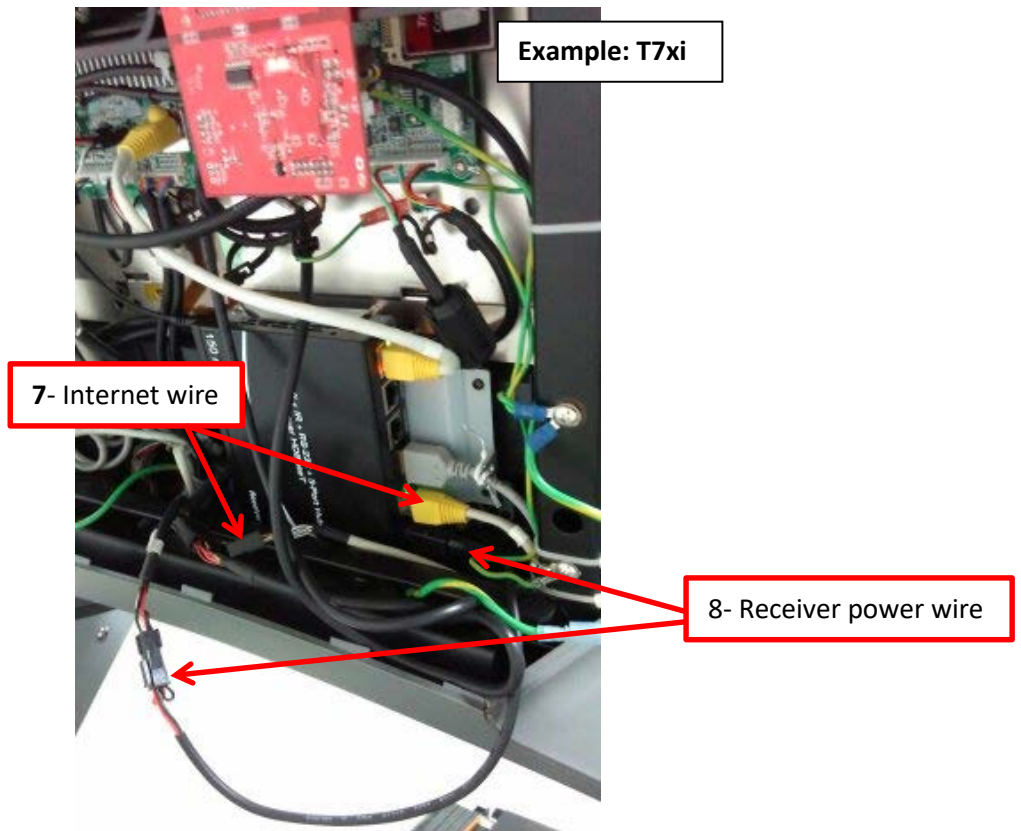
5. Connect the internet wire from the transmitter to machine. If the customer uses a switch, connect the switch to the transmitter in the Ethernet 1 port.
6. Connect the receiver power adapter cable to the machine and into a wall outlet.

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7. Plug the machine internet wire into receiver.

8. Connect the receiver power wire to the receiver power extended wire of machine ("TV" wire).



3.2 Setting up the Console

1. Enter "4788" at start window to enable the IPTV function. Once the change is accepted, a message, "Enabling IPTV Settings", will scroll across the top of the window (Figure A). **NOTE:** To support IPTV function, the 7xi application software version must be V6.8 or above.

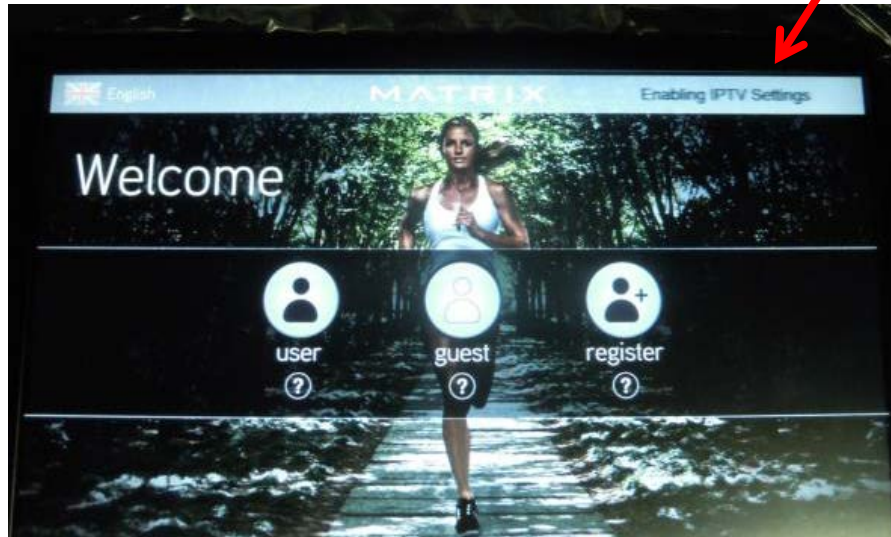


Figure A

2. Enter "3001" to go to Service Mode and choose the "TV" button. Click to select the source, "IPTV (With Set Top Box)" on the screen (Figure B).



Figure B

3. Click on the drop down menu and select the appropriate Set Top Box (Figure C).

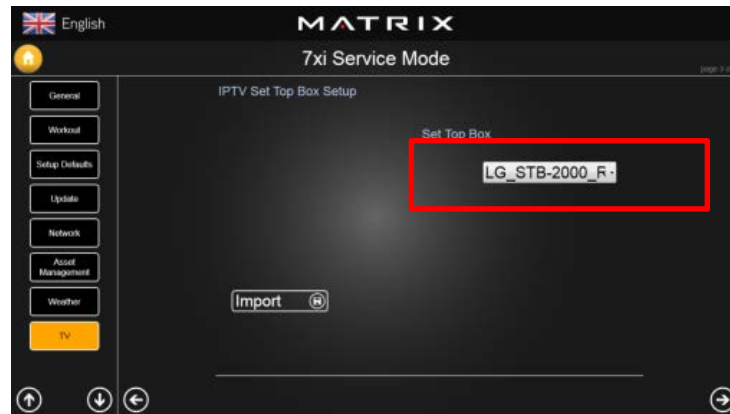


Figure C

3.3 TV Programming

1. Use the LG remote controll to do a channel scan on the LG STB (Figure A).
2. Select “CHANNEL” (Figure B).



Figure A

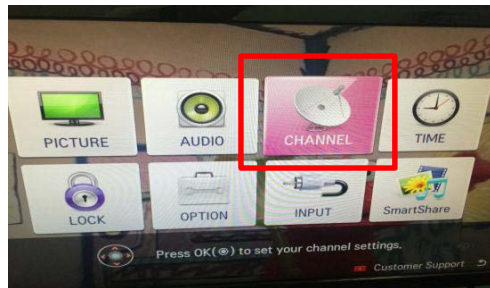


Figure B

3. Select “Auto Tuning” (Figure C).
4. Select “Start” to begin scanning (Figure D).

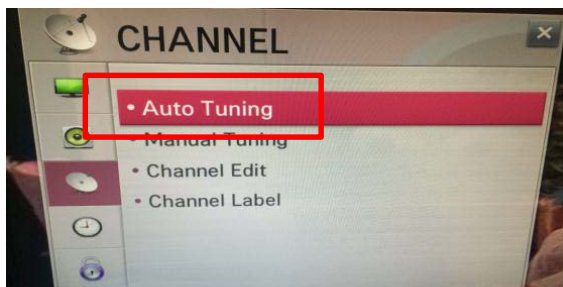


Figure C

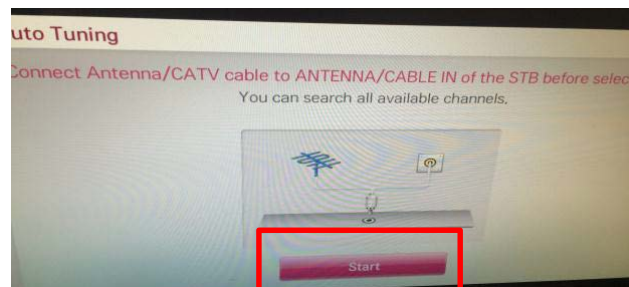


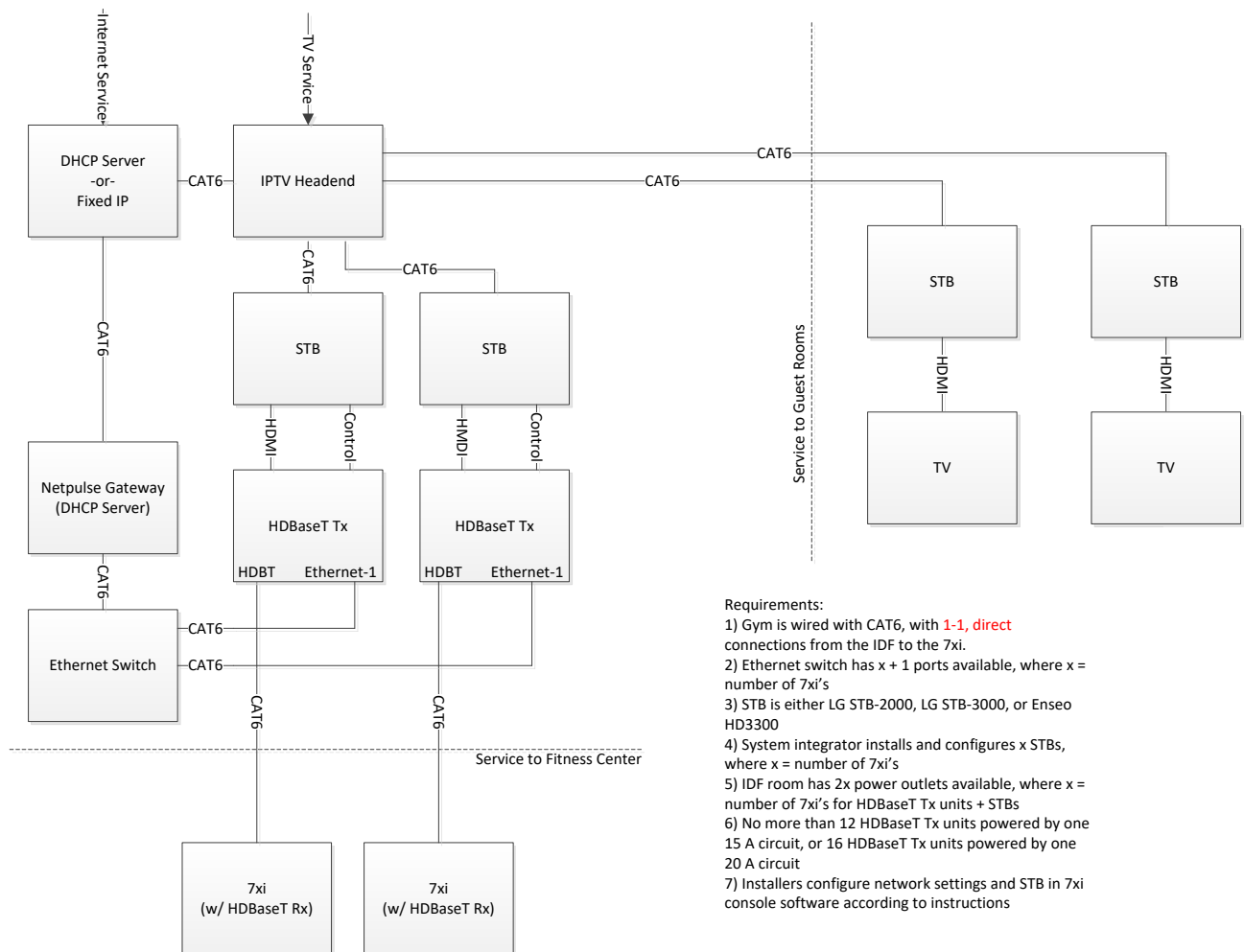
Figure D

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4. CONFIGURATION MAPS

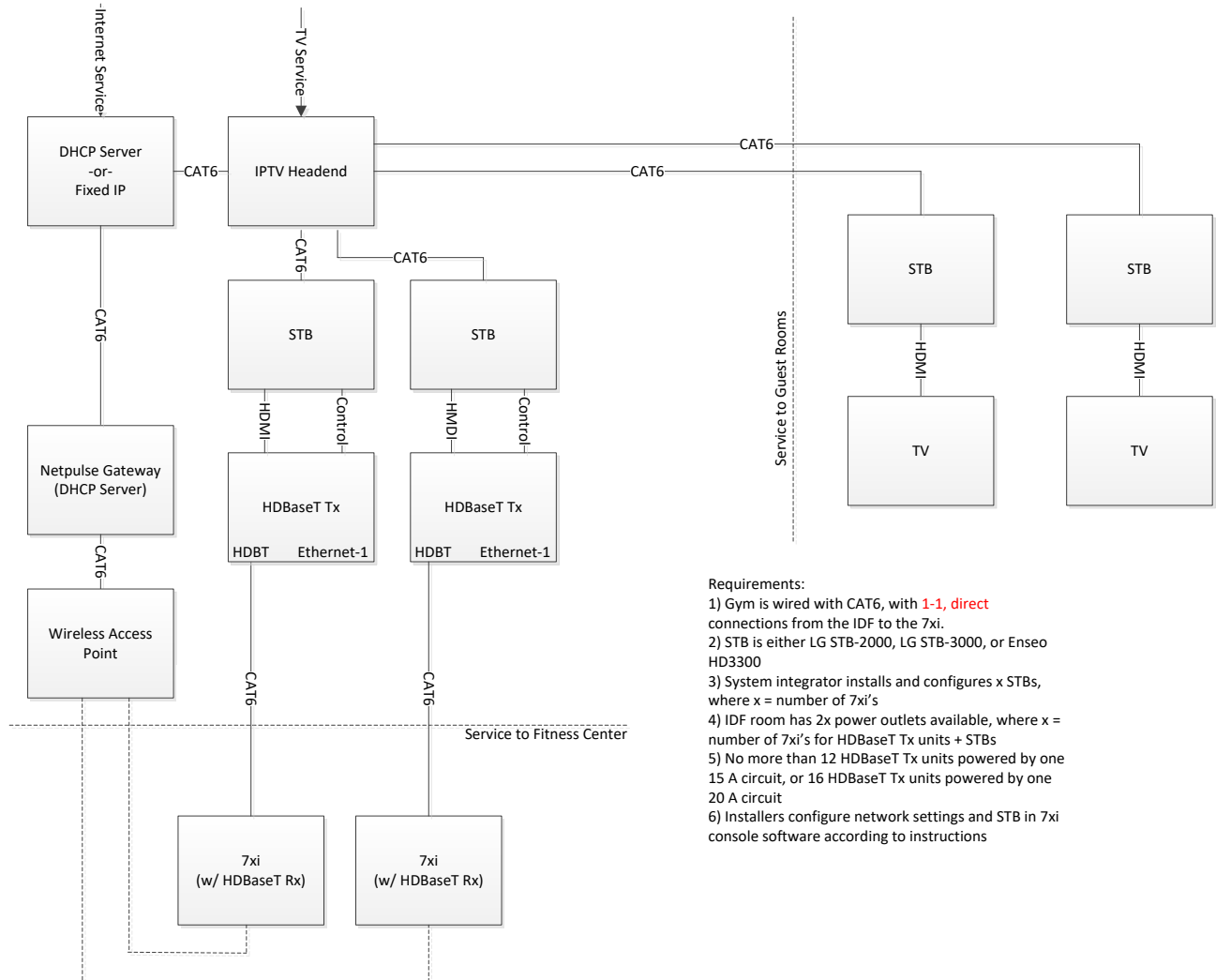
4.1 Configuration for customers using a Netpulse Gateway and a wired Internet connection

Configuration Option	Status
Encrypted content	YES
Internet Connectivity	YES
Gateway Required	YES
Internet via Wired or WiFi	Wired



4.2 Configuration for customers using a Netpulse Gateway and a WiFi Internet connection

Configuration Option	Status
Encrypted content	YES
Internet Connectivity	YES
Gateway Required	YES
Internet via Wired or WiFi	WiFi



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APPENDIX

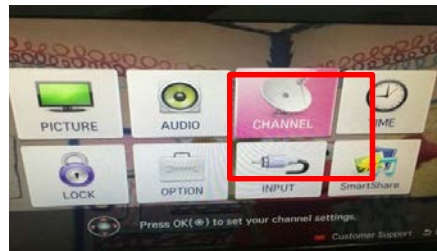
Updating the Console Software

1. While still in Service Mode, navigate to the “General” tab. Scroll to the 4th screen and check that the software 7xi application version is 6.8 or later. If the application version is 6.8 or later, move to “Install Channel List” section. If it is not, proceed to step 2.
2. Update console software by pressing the code “ENTER + 3 + 0 + 0 + 4 + ENTER”
3. Select “Settings” from the lower left corner
4. Select the “Set Wireless Defaults” button
5. Select “HTTP” as the update method
6. Select “Available Updates” from left
7. Select “Install All Updates”

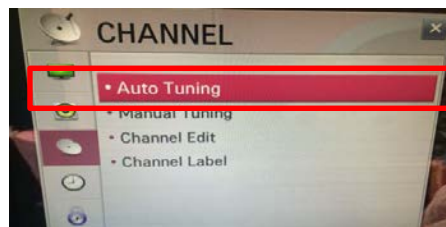
Programming the Set Top Box and TV

NOTE: This is to be done pre-installation by cable provider

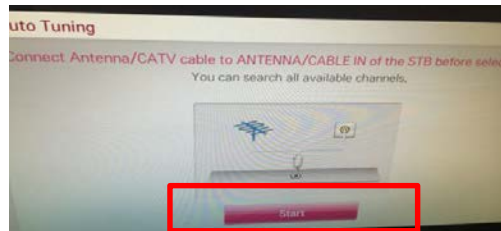
1. Use the LG remote control to do the channel tuning on the LG STB.
2. Select “CHANNEL”.



3. Select “Auto Tuning”.



4. Select the “Start” to begin scanning.



5. The TV scanning process will be displayed on the screen.

