D0254

HotelTV2

Easy Start Guide

REV A0.6

2014 October

1. Revision History

Date	Owner	Version	Reason & Change
09 May 2012	Görkem Giray Bora Tunçer	A0.1	Initial Creation
29 June 2012	Görkem Giray	A0.2	Structure changed
21 May 2013	Ferhan Badur	A0.3	Structure changed
30 May 2013	Ferhan Badur	A0.4	Structure changed
31 October 2013	Bora Tunçer	A0.5	Naming changed
8 October 2014	Jale Demir	A0.6	Revision

2. Table of Contents

3. Table of Figures

4. Introduction

4.1. *Purpose*

This document describes the steps of IPTV configuration after Vestel HotelTV2 product installation process of MB70, MB90 and MB95 model TVs. The following sections describe the initial configurations of TVs:

- "5.1 - Assigning IP address to TV" explains the process of assigning IP addresses to TVs after installation of HotelTV2 product.
- "5.2 - Updating configuration files" explains the steps of changing and editing configuration files of TV device over command line
- "5.3 - Updating configuration files" states the process of adding new rooms by using admin panel and matching TVs with rooms and its steps on TV interface
- "5.4 - Adding new channels and displaying in TV" this section states the steps of adding new channels to channel list by using admin panel

4.2. *Scope*

This document intends to be a reference manual for configuring MB70, MB90 and MB95 model TVs after installation of HotelTV2 client releases and explains each step of configuration process with examples. This document is shared and applicable for the development all VESTEL sites.

4.3. *Abbreviations*

- **IP**   Internet Protocol
- **TV**   Television
- **URL**   Uniform Resource Locator
- **DHCP**   Dynamic Host Configuration Protocol

5. Configuring TVs

In order to use Vestel MB70, MB90 and MB95 model TVs and IPTV we need to perform basic configurations in TVs. You can use your own middleware or you can use Vestel HotelTV2 middleware. (If you decide to use Vestel HotelTV2 then before going into configuration details, we assume that you have successfully installed Vestel HotelTV2 according to "HotelTV2 Installation Guide".)

In this document we will detail the usage of MB70 model TVs in IPTV mode by giving examples from Vestel HotelTV middleware. You are free to make necessary changes according to your own middleware. In order to use IPTV, we need to perform following actions;

- Assigning IP address to TV
- Updating configuration files for pointing correct UI and channel table generator
- Adding new rooms in admin panel and registering TVs to rooms (Vestel HotelTV)
- Adding new channels in admin panel and displaying in TV (Vestel HotelTV)

Firstly, you have to have Windows Telnet Client feature on your server machine. To control or get it, you have to follow the way of "Start → Control Panel → Programs and Features → Turn Windows Features on or off". In the list, click the box in front of "Telnet Client" and then click "OK" (Figure 5-1).


Figure 5-1

Web : http://support.vestek.com.tr
Mail : support@vestek.com.tr
Tel : +90 212 286 01 06

Vestek Elektronik Ar-Ge A.Ş.
İTÜ Ayazağa Kampüsü Koru Yolu
Arı 2-B Blok Maslak/İstanbul

5 / 10
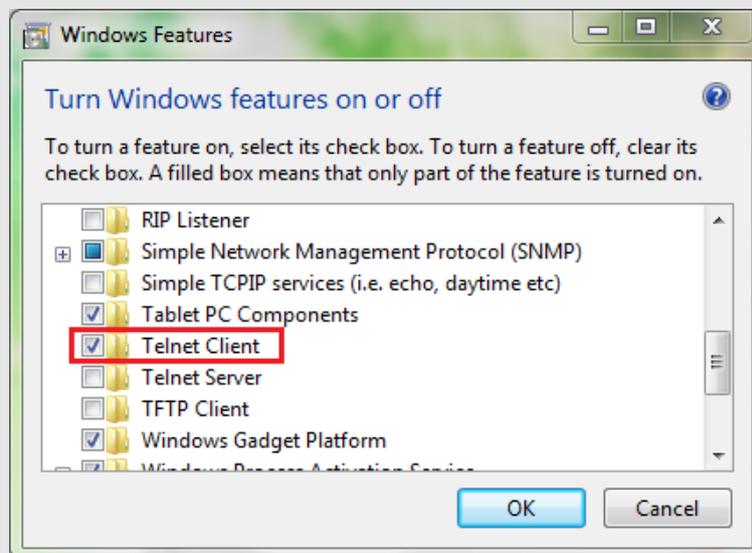
5.1. *Assigning IP address to TV*

If you have a DHCP server TV automatically gets IP address or as well you can assign a static IP address to your TV. In this section we will show how to get IP addresses of each MB70, MB90 and MB95 TVs to configure start url and channel lists. In case of correct assignment, following steps will give the IP address information of TVs.

Displaying IP Address : For MB70 TVs, In order to get the addresses, we will open "HotelTV Menu" by pressing the "Menu+7935" button combination on remote control. In menu, turn the "Hotel Mode: off" then return by pressing "Menu" button. Next, we will press "Menu+4725" button combination, this will popup "Service Menu" which is seen in Figure 5-2. IP address of the TV will be monitorized under "Network Settings" option (Figure 5-2). We will note "IP Address" of TV. Return with "Menu" and turn the hotel mode on again by following the instructions: "Menu+7935" then change "Hotel Mode" to "on" and return with using button "Menu".
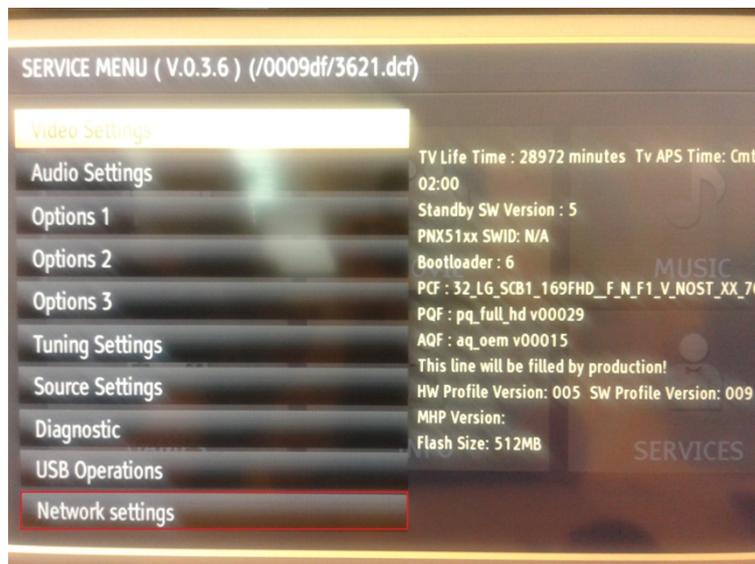
Figure 5-2

For MB90 and MB95 TVs, In order to get the addresses, we will open "HotelTV Menu" by pressing the "Menu+7935" button combination on remote control. In menu, turn the "Hotel Mode: off" then return by pressing "Menu" button. Next, we will see Figure 5-3 Menu.

Figure 5-3

And, we will go to Settings and press OK button. We will see Figure 5-4 Menu.

Figure 5-4

IP address of the TV will be monitorized under "`Network Settings`" option (Figure 5-4). We will note "`IP Address`" of TV. Return with "`Menu`" and turn the hotel mode on again by following the instructions: "`Menu+7935`" then change "`Hotel Mode`" to "`on`".

Assigning Static IP: For MB70 TVs, arbitrarily, you can assign static IP to your TV by pressing the yellow button on your remote controller when you are in "`Network Settings`" menu. Set your static IP with the cursor keys and then press "`OK`" button.

For MB90 and MB95 TVs, arbitrarily, you can assign static IP to your TV by pressing the green button (Advanced) on your remote controller when you are in "`Network Settings`" menu. Set your static IP with the cursor keys and then press "`OK`" button.

5.2.   *Updating configuration files*

Now we can configure TV to use our middleware. We can configure the TV by using telnet or we can use Remote CGI calls. In this document we will focus on configuring TV via telnet.

We will open the command prompt by using the way "`Start → Run`", type "`cmd`" into dialog box and click "`OK`". In command window, invoke telnet command with TV's IP address "`telnet 192.168.1.55`"

5.2.1 Configure Start Url

- For MB70 TVs, You can use following credentials, username "`root`" and password "`mb704725`". Now we should edit starturl.txt file by using vi editor "`# vi /mnt/settings/browser/starturl.txt`" and insert the start URL of your middleware "`http://192.168.1.109/hoteltv2`"

- For MB90 and MB95 TVs, You can use following credentials, username "`root`" and password "`mb904725`". Now we should edit starturl.txt file by using vi editor "`# vi /conf/browser/starturl.txt`" and insert the start URL of your middleware "`http://192.168.1.109/hoteltv2`"

As an option, start url configuration process can be performed by using USB operation. Steps of this process are indicated as follows:

Setting with USB Operation: You can also update `starturl.txt` file with USB update (Without Telnet). Firstly, you should create a text file called "`starturl.txt`" and enter your URL to the first line of starturl.txt, then copy the file to USB. You will insert USB to TV and press "`Menu + 4725`". Now, you should select "`USB Operations`" from the menu. And the process will run automatically.

5.2.2. Configure Channel List

- For MB70 TVs, we will edit channel list configuration file atrium_config.xml which will point the channel list generator in your UI located under "`/mnt/settings/atrium/atrium_config.xml`". You can write your own channel list generator link in your web server. "`http://192.168.1.109/hoteltv2/pages/tvpage/channellistxmlgenerator.aspx`"

- For MB90 and MB95 TVs, we will edit channel list configuration file atrium_config.xml which will point the channel list generator in your UI located under "`/conf/ip_tuner/thorium_config.xml`". You can write your own channel list generator link in your web server. "`http://192.168.1.109/hoteltv2/pages/tvpage/channellistxmlgenerator.aspx`"

5.3. *Adding new rooms and registering TVs to rooms*

From this part of document explains necessary steps by using Vestel HotelTV2 middleware, you are free to change according to your middleware.

Adding Room

In order to add new rooms to system we will login to Admin Panel with using default username "admin", and password "vestek". You can also create your own user and define permission to this user on admin panel's user management menu.

Click "New" button under "Rooms" menu in admin panel and create room as "Active", enter room number, define clean and breakdown features of room and press add button.
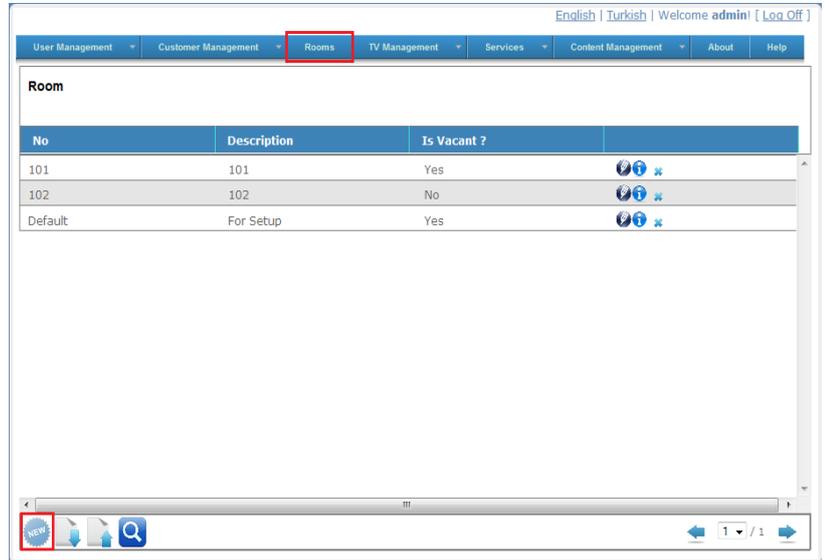

Figure 5-5

Figure 5-6

After restart your TV, it will try to connect you middleware. In Vestel HotelTV middleware if TV has not been registered to any room yet, TV's registration page will automatically be opened. If the window in Figure 5-4 has not been appeared on screen yet or you want to change the room of TV, press "1758"or "1759" and enter room number for registering TV to that room. Then, select "Search" to search for selected room. At last, press "HOME" button on remote control and go to home page. For cancelling current operation, press "BACK" button.

5.4. Adding new channels and displaying in TV

By using "TV Management → Channels" menu way, you can add delete or update TV channels from admin panel. Firstly, choose TV channel type and then enter obligatory channels' attributes. Control the added channel on TV channel list by using "Home" key. If it is not added yet, return and perform the section 5.2.2.
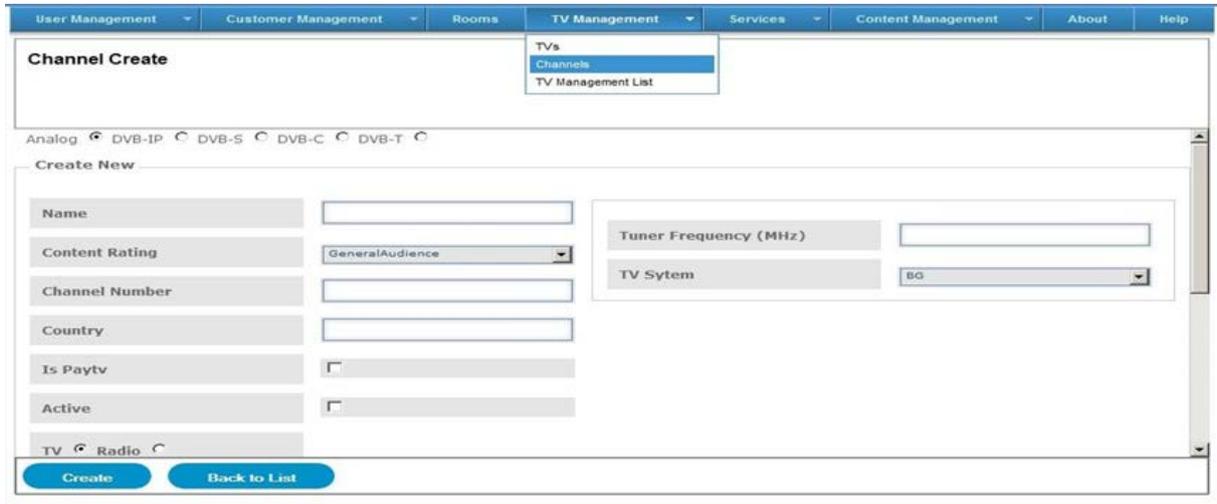

Figure 5-7

Appendix A: vi Editor Commands

To insert to or edit text file, you should press "i" key and after edit, to get out of vi, press "Esc" then enter ":wq" and then hit <Return> or <Enter> key.