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General Guidelines & Precautions



This symbol is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute risk of fire or electrical shock. This symbol is also intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying this product.

Important Safeguards

Please read all of these instructions regarding your IP STB and retain this guide for future use. Observe and comply with all warnings, cautions and instructions placed on the product, or described in the operating instructions.

General Guidelines & Precautions

WARNING

To reduce the risk of fire or shock hazard, do not expose the product to rain or moisture. To guard against injury, the following basic safety precautions should be observed in the installation, use, and servicing of the product.

Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company.

Overloading

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electrical shock.

Object and Liquid Entry

Never push objects of any kind into the product through the slots as they may touch dangerous voltage points or short out parts that could result a fire or electrical shock. Never spill liquid of any kind on the product.

Attachments

Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a cloth dampened with water for cleaning.

Water and Moisture

Do not use this product near water—for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

Accessories

Do not place this product on a unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Ventilation

Slots and opening in the cabinet are provided for ventilation and to ensure reliable operation of the product to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

Power-Cord Protection

Do not allow anything to rest on or roll over the power cord, and do not place the product where the power cord is subject to wear or abuse.

Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel only.

Damage Requiring Service

Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- Liquid spilt into the product.
- Exposure to rain or water.
- Subjection to excessive shock by being dropped, or the cabinet has been damaged.
- If the product does not operate normally when following the operating instructions, then adjust
 only those controls that are covered by the operating instructions. An improper adjustment of other controls
 may result in damage and will often require extensive work by a qualified technician to restore the product to its
 normal operation.
- When the product exhibits a distinct change in performance -- this indicates a need for service.

Replacement Parts

When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat as well as direct sunlight. If the product experiences sudden changes in temperature, moisture may form inside the product.

Customer Care

Please refer to your IPTV subscription provider for customer care information, hours of operation, and technical support.

1. MyPanorama.tv Outlook

MyPanorama.tv STB is an advanced Internet TV STB supporting a range of streaming protocols and codec formats, allowing close replication of the broadcast experience over the Internet at the highest quality possible.

The MyPanorama.tv STB is designed to run a wide range of Internet TV applications, developed either through use of its optional SDK, or provided by MyPanorama.tv TV.

The following manual covers all necessary procedure to connect start-up and configure the MyPanorama.tv STB. Note that the manual covers model 300. If you received a different model, please use the bundled appropriate version.

2. Key Features of MyPanorama.tv

Can be configured to decode MPEG-1/2, H.264, WMV9 and MPEG4 (DivX) in D1 and HD resolutions, up to 1080p.

- Extensive support for WMV, MMS and RTSP streaming and for H.264 streaming via HTTP and RTSP (ISMA 2.0) streamers.
- HDMI 1.2 and Component ports for true HD out, Composite, S-Video for SD (all comply with PAL /NTSC).
- Stereo RCA Audio, Digital Audio via optical S/PDIF.
- Ethernet LAN port or Internal WiFi 802.11b/g mini PCI Module for high performance home networking (availability of the wireless interface depends on the option ordered).

Please read the following instructions regarding your IP STB and retain this guide for future use. Observe and comply with all warnings, cautions and instructions placed on the product, or described in the operating instructions.

3. What's in the Kit?

- MyPanorama.tv Set Top Box
- WiFi Antenna (Optional, depends on the option ordered)
- Ethernet Cable RJ45 cat. 5
- Power Adapter
- A/V Cable
- Remote Control + 2 AAA Batteries
- CD with electronic copy of the Quick Installation Guide, User Manual, and additional technical documentation you may find necessary.

4. The Remote Control

Note that some keys usage is application dependent. Please refer to the application user manual for further instructions.

01 Power On / Off 02 STB set-up 03 Subtitles (currently not in use) **04** Zoom 05 Display (Aspect Ratio) 06 Play Mode 07 Visualization 08 Channel Up / Dow 09 Volume Up / Down 10 Mute 11 Main 12 Compass Rose (Main navigation) 13 Back 14 Color Keys: - Blue: Menu - Green: Full Screen - Yellow: Options / Smart Buffering 15 Page Up / Down (Scroll) 16 Information 17 Numeric / Text Input

18 Back Space (Delete)



5. The Set Top Box

The following images illustrate the main parts of the MyPanorama.tv STB (front view and back panel view).

Front panel



Rear panel



6. Initial Connections

Initial Connection of the STB to the TV

Initially you should use the yellow (Composite) connector of the bundled A/V cable to connect the STB to the TV, Please follow the following image to identify the proper connector.





Connect the other side of the yellow connector of the AV cable to the matching Video inputs on your TV set (Matching Composite input).

You may connect the white and red audio connectors as well between the STB and the TV (or audio system). However it is not necessary at this stage (and may be replaced by SPDIF connection later on – see later section)

7. Connecting to Power

Please turn on the TV, before powering up the MyPanorama.tv, and switch to the Composite video channel. Plug one end of the power adapter into the +12v socket at the rear of the device and the other end into the electrical socket.



On your TV you should see splash screen illustrated next: \rightarrow SPALSH SCREEN

In about 5-7 seconds, the Splash screen changes to the system start-up screen, indicated through a progress bar, illustrated next: → BOOT Sequence

8. Initial Boot

After completing the TV & power connections the system is ready for initial setup. You will be guided on screen through a series of simple states, to complete the setup procedure. Please follow the printed guide (next section) as well, for more visual assistance.

9. The Setup Wizard Visual Guide

Please follow the numbers on the bottom right of the screen to go through the Setup wizard steps. This setup is required only on first time power up of MyPanorama.tv.

Step 1 - Setup language

Please select the preferred setup language. To navigate through options, use the right/left arrows on the remote control and click OK to select.



Step 2 - Video Standard

Most current TVs can play both types NTSC (US) or PAL (Europe), Please check your TV vendor's specifications to find out the video standard it supports. To navigate through options use the right/left arrows on the remote control and click OK to select.



Step 3 - Video Connector

Please check your TV vendor's specifications to find out the available video inputs. The preferred choice should be HDMI (best quality), then (next preference) Component, S-Video and then Composite. To navigate through options use the right/left arrows on the remote control and click OK to select.

Video	Conne	ector	
Composite	S-Video	Componenet	номі
SACK			3

Step 3.1 - Connecting to HDMI input

Connect the HDMI cable to the HDMI connector at the rear of the device.



Connect the other side of the cable to the matching HDMI input on your TV set.

Step 3.2 - Connecting to Component input

Connect the Red, Blue and Green plugs to the matching sockets at the rear of the device. Connect the other side of the cable to the matching inputs on your TV set (Red, Blue and Green).



Step 3.3 - Connecting to S-Video input

Connect the S-Video cable to the device on one end and to the TV on the other end.



Step 3.4 - Connecting to Composite (also known as RCA) input

Connect the Yellow, plug in the AV cable to the matching sockets at the rear of the device. Connect the other side of the AV cable to the matching Video input on your TV set (Matching Yellow input).



Step 3.5 - Connecting Audio Inputs to the MyPanorama.tv

MyPanorama.tv offers three options to connect audio to MyPanorama.tv:

- **HDMI:** includes audio connection, so no need to connect additional cables (unless your intend to use audio system not part of your TV, for which you should use the following options)
- RCA Stereo: White and Red cables connecting stereo out of the MyPanorama.tv to the Stereo in of your audio system
- **SPDIF Digital Audio**: (Optical or Coax, depending on MyPanorama.tv Model): use special cable needed for such connection to link the MyPanorama.tv Audio Out to your audio system

Step 4 - Display Mode

Please check your TV vendor's specifications to find out the available display modes. To navigate through options use the right/left arrows on the remote control and click OK to select.

The following display modes are available (starting from best quality):

- Full HD Full High Definition (1080p / 1080i)
- HD Ready High Definition (720p)
- SD Standard Definition (480p / 480i)



Step 5 - Scan Mode

Please check your TV vendor's specifications to find out the available scan modes. To navigate through options use the right/left arrows on the remote control and click OK to select.

The following scan modes are available (starting from best quality):

- Progressive scan (1080p / 720p/ 480p)
- Interlaced (1080i / 720i / 480i)



Step 6 - Aspect Ratio

Please check your TV vendor's specifications to find out the available aspect ratio modes. To navigate through options use the right/left arrows on the remote control and click OK to select.

The following Aspect Ratio modes are available:

- Wide 16:9 Wide Screen
- Standard 4:3 Normal Screen





Step 7/8 - Video Settings Test

In this step the selected video settings will be tested. Click OK when ready for the test. Use your TV remote control to select the chosen input to your TV set.



If you see the wizard's countdown after switching to the chosen input click OK to finish the test, if nothing displays on screen switch back to the previous TV input and wait till the countdown is finished then click Back, check the settings and connections and run the test again.



Step 9 - Network Connection

To navigate through options use the right/left arrows on the remote control and click OK to select.





Step 9.1 - LAN - Wired Home Network

Connect the local network cable (supplied in the package) to the Data socket at the rear of the device, and plug the other end to a free network LAN port.



Step 9.2 - Wi-Fi - Wireless Home Network

Attach the Wi-Fi antenna to the screw at the rear of the device (turn clockwise). After attaching, fold the antenna upward to a vertical position.



Step 9.3 - PPPoE - Point-to-Point Protocol over Ethernet

In case of direct connection of MyPanorama.tv to the ADSL router, PPPoE mode is needed. Connect the local network cable (supplied in the package) to the Data socket at the rear of the device, and plug the other end to a free network PPPoE port.



Next:

If LAN is selected, setup will skip to step 15 (please follow) If PPPoE is selected, setup skips to step 14 (please follow)

Step 10 - Network Name (Wi-Fi Network)

To navigate through available networks use the right/left arrows on the remote control and click OK when you find your network (check your router's network settings to find out the name). If not found (can happen when network is in hidden mode) use the right arrow till — manual appears and click OK.

PS-340 Setup Wizard	
Network Na	ame
	Net4
BACK Use Right/Left arrows to find your letwork	k, select "Add Manually" if not found, Click OK where done

Step 11 - Network Name (Wi-Fi Network name, manual insertion)

Use the remote control's keypad to insert your Network name (check your router's network settings to find out the name). Click OK when finished.





Step 12 - Network Security (Wi-Fi Network)

Click YES if your network is secured, click NO if not secured. Check your router's network security settings.



Step 13 - Network Security Key (Wi-Fi Network)

Use the remote control's keypad to insert your Network Security Name (check your router's network settings to find out the key). Click OK when finished.



→ You will now be transferred to step 15 (network test)

Step 14 - PPPoE User name & Password

Use the remote control's keypad to insert your User Name (check your router's network settings to find out the user name). Click OK when finished.



Use the remote control's keypad to insert your Password (check your router's network settings to find out the password).click OK when finished.



Step 15 - Network Test

In this step the selected network settings will be tested. Click OK when ready for the test, the test will provide you with Pass or fail result.



Step 16 - Network Test Fail

If one of the tests fails please click NO, check the settings and connections and run the test again. If you choose to continue you will have to change the settings later in order to get the service.

Some Netw Do you wan	ork tests fa t to contin	ailed, ue ?	
	YES	NO	
			16

Step 17 - Setup Completed

The setup up is completed, when choosing YES the settings will be saved. If NO is chosen the settings will not be saved and in the next reboot the MyPanorama.tv will be running with the previous settings.



MyPanorama.tv is now ready. Enjoy!

In case you need to re-run the Setup wizard, click on main Menu \rightarrow My Settings \rightarrow Setup

10. Advanced Setup - Network Settings

The advanced setup is an alternative setup tool, meant to allow further setup options. In most cases it is not required and should be left to service technicians.

Step 1 - Defining Network Type

The default network type is LAN. To change, follow the instructions below:

Once the Setup Screen appears, the default highlight is 'connectivity'. Use the right arrow to access the network type (connectivity) selection dialog.



Use UP/DOWN arrows to select LAN option, and then press OK to confirm or Press BACK () to return to the Network Type Screen.



Step 2 - Defining Wireless Network

Once the network type selection dialog is open, use the UP/Down arrows to select Wireless, and then press OK.





Press BACK () to return to the Network Type Screen.

« «	Connectivity		
< < <	Wireless		
	Press "OK" to approve or "PREVIOUS" to cance Changes will take place after reboot	D	

Use DOWN arrow to select 'Wireless'. Then use RIGHT arrow to select 'Net Name' and press OK. You will need to select your Network name as defined on your PC wireless settings.

Setup				SIG 340
Conr	nectivity	1		
« Wire	less			
Vide	•	«	Net Name	SSID
« Audio	0	**	WIFI Security Mode	Disabled
« Playe	er	«	WEP Key	
« Syste	em	«	WPA PSK	1
« Exit		«	WEP Authentication	open
	No. 1	«	Use DHCP	YES
		«	Fixed IP	192.1
		«	Net Mask	255.2

By pressing the **Red** button you will be able to select your network from a list of available Wi-Fi networks by using UP/DOWN arrows. If your network name does not appear in the list you will have to enter it manually with the remote control key pad (change the character selection to alphabetical/numeric by pressing the key).



Step 3 - Defining Wi-Fi Security Mode

If your Wi-Fi network is encrypted you will be required to define your Wi-Fi network security Mode (the system default is 'Disabled' for a non-secure network).

Use DOWN arrow to choose the Wi-Fi Security Mode. If a WEP security key is used (secured network) you will need to enter the WEP key (select the field in HEX or press the Blue button and enter the key in ASCII). Press OK and follow the on-screen instructions.

Use the Remote Control key pad to type your WEP key (password). Change the character selection to alphabetical/numeric by pressing the key).



Step 4 - Video Configuration - Defining Video Outputs

Use DOWN arrow to select 'Video'. Then use RIGHT arrow to select 'Display Mode' and press OK.

The following display modes are available:

- NTSC System
 - Standard TV 480i60 / 480p60 /
 - HD Ready Wide Screen TV 720p60
 - Full HD Wide Screen 1080i60 / 1080p60/1080p24
- PAL System:
 - Standard TV 576i50 / 576p50
 - HD Ready Wide Screen TV 720p50
 - HD Wide Screen 1080i50 / 1080p50/1080p25

Note: Please check your TV user manual for the recommended settings. The letter i in display mode stands for 'interlaced' and p stands for 'progressive'.

- Auto Switch: Most current TVs can play both types NTSC (US) or PAL, the auto switch off to avoid automatic switching between the options.
- Aspect Ratio: 16:9 (wide-screen) or 4:3 (standard screen).

S	etup			SIG 3	40	
« «	Connectivity LAN Video	3				
<pre></pre>	Audio Player System	8	Display Mode Auto Switch Aspect Ratio	576p50 OFF 16:9		
	Exit	3				

Step 5 - Audio Configuration - Defining Audio Inputs

Use DOWN arrow to select 'Audio'. Then use RIGHT arrow to select 'SPDiF' and press OK. If you plugged the set top box through the digital coax out (Orange socket) you can define the connection to your home audio system in 2 options:

- **SPDiF On**: This mode is used to connect to a home theater receiver that supports Dolby Digital or DTS surround sound.
- SPDiF Off: This mode is used for regular stereo output.

Note: Please check your Home Theater receiver user manual for the recommended settings.

P A N O R A MA T V



Step 6 - Saving Setup Information – Exit Mode

When the setup process is completed, use the DOWN arrow, and select 'Exit'.

The available options are:

- Exit without Saving if you wish to discard all changes made and exit
- Restore All Defaults if you wish to restore to factory setting
- Save & Reboot if you wish to save all changes made and reboot the STB with all changes made

Note: You must choose the Save & reboot to reboot with the new settings.

After a short black screen, the boot process should proceed and if the network is connected properly it will load the application and restart without any error.



11. Inputs / Outputs

Power input (external +12V power supply)
HDMI-out for HD TV (up to 1080p)
S-Video (MiniDin)
Composite Video Out (RCA)
Component Video Out (YPbPr)
S/PDIF audio out (Optical)
WiFi 802.11b/g antenna (3 dBi, 2.4GHz Swivel, impedance 50 Ohms), connected to internal MiniPCI adapter (Optional)
Stereo Audio Out (RCA)
Ethernet LAN 10/100 (RJ45)
Two USB 2.0 Host Ports, for external storage
DVB-T via Added Module via USB Port

12. Specifications

Configurable	MPEG-2, up to MP@HL 1080p
Video Formats	
video i officio	WMV9/VC-1 up to MP@HL, 1080p
	H.264/AVC up to High Profile and Level 4 (HiP@L4),1080p resolution
	MP4 Part2 ASP@L5, DivX/HD, XviD
	4:3 and 16:9 playback, Letterbox/PAL/NTSC
	Various Subtitling options
Audio Formats	MPEG-1 Audio Layer 3 (MP3)
	Windows Media Audio (WMA, WMA Pro)
	MPEG-1 Audio Layer 1, 2
	MPEG-4 AAC
	AC3 pass-through via S/PDIF (coax)
Network- Protocols	Flexible DHCP (RFC 2131) and DNS Options
	WMV Server: MMS, RTSP & HTTP Modes
	DVB-T Over the Air (European Standards)

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	ISMA 2.0 & HTTP H.264 Streaming
	Transport Stream & Multicast (IGMPv2)
Storage Support	Optional Internal FLASH Disk (2-8GB)
	Support for external HDD (USB)
	APIs to play-from / store-to storage media files
Browser-based GUI	Advanced browsing Engine, with full support for the latest HTML and JavaScriot Standards
	HTML 4.01 (including Frames and Layers), CSS 1.0, CSS 2.0 (partial), JavaScript 1.5, SSL
	Extensive JS Extensions for GUI and App. Dev.
	Multiple font-type and language options
	Optimized JPEG/GIF/PNG image decode
Video UI	Internet-TV optimized IR remote control
	Browser-based OSD
	Picture in Graphics (Scaling)
	32bit Alpha-blending
Management	USB & Server based Remote Upgrade
	On-Screen TV-optimized Setup
	Technician Mode PC-based Configuration Tool
Physical	Weight 1.5kg
	Size To be Specified
	Environment: 0 – 50 deg. C $^{\circ}$

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