



# IPTVBOX

User Manual

### Key Features

**High-end Sigma Designs SMP8756 media processor:** excellent picture quality and great performance.

**The newest HEVC (H.265) video codec:** 2x picture quality increase over H.264 video codec.

**The newest DASH streaming format:** automatic choice of the best picture quality depending on Internet connection throughput.

**HDMI 1.4:** the best quality of video and audio.

**Upscaling:** high-quality conversion of SD video to Full HD (1080p) or other HD resolution.

**Flexible video output system:** support for any resolution and format (from SD to 1080p, 24p/PAL/NTSC).

**USB port:** play video, music, photo from USB drives.

### Package Contents



1



2



3



4



5



6



7

1. Media player
2. Remote control (batteries may not be included)
3. HDMI cable
4. External power supply (12V)

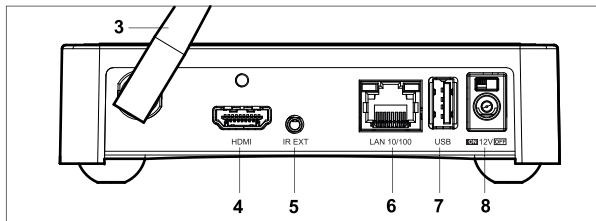
5. IR external cable
6. Wi-Fi antenna
7. User manual

# IPTVBOX

## 4

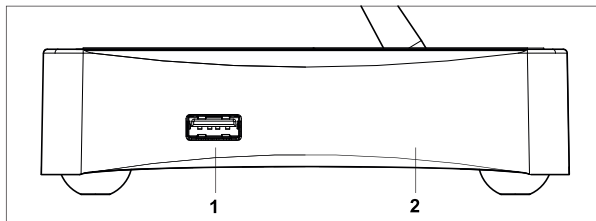
### Exterior

#### Rear view



1. USB 2.0 host
2. IR eye and LED-indicator
3. Wi-Fi antenna
4. HDMI port
5. IR extender port
6. Ethernet (10/100Mbit)
7. USB 2.0 host
8. 12V DC IN

#### Front view



### Remote control

**POWER** — turn the player on/off.

**A** (Red), **B** (Green), **C** (Yellow), **D** (Blue) — control various player functions.

PLAY/PAUSE (>||), STOP, PREV (<<|), NEXT (>>|), REW (<<), FWD (>>), REC, MUTE, AUDIO, SUBTITLE, ZOOM, MODE, SEARCH, SETUP — control the playback and some other player functions.

Arrows ◀ ▶ ▲ ▼, **ENTER**, **RET.**, **TOP MENU**, **POP UP MENU**, **INFO** — main buttons for controlling the player (navigate across the items on the screen, open/use the currently selected item, go back to the previous screen, go to the main menu, show/hide popup menu with actions for the currently selected item or the current player state, show/hide information about the currently selected item or the current player state, control some other player functions).

**V+ / V-** (volume up / volume down) — adjust the volume.

**P+ / P-** (page up / page down) — scroll up and down in various lists; control some other player functions.

**0-9** — enter numbers and text; control some other player functions.

**CLEAR** — delete the last entered character, delete the currently selected item, control some other player functions.

**SELECT** — switch text input mode, add the item to the selection list, control some other player functions.



### **Installation**

You can install the player on a horizontal surface. When installing the player in a hidden location, such as enclosed cabinet or behind a TV set, you can use the IR extender cable to allow the infrared signal from the remote control to reach the player.

Ensure there is enough space around the player for proper cooling. The space at each side should be not less than 10 cm. When installing the player in an enclosed cabinet, please ensure proper airflow and cooling inside the cabinet.

### Getting Started

Ensure the RC has batteries installed. Connect the player to your TV and to other A/V equipment in an appropriate way. Use HDMI connection to get the best possible quality of video and audio. Make sure to switch off the player and all relevant A/V equipment before connecting them. Ensure your TV and other A/V equipment are configured to use proper inputs. Connect the power cable to the player and switch the player on using the power switch on the back panel of the player.

The player will perform its initial loading procedure, which may take up to about 1 minute. During the loading procedure, a boot logo is shown on the TV screen.

- If you do not see the boot logo on the TV screen when you switch on the player, it may mean some problem with the connection between the player and the TV or that a wrong video input is chosen in the TV or A/V receiver/switch. In this case, recheck the cables and the settings of the TV or A/V receiver/switch, or try to use different cables or a different way of connecting the player to the TV.
- If you see the boot logo on the TV screen when you switch on the player, but then the picture disappears and the other picture does not appear during at least 10 seconds, it may mean that a wrong video output mode is configured in the player. In this case, press the "MODE" RC button, and then press one of the RC buttons "1", "2", "3", "4" or "5" to switch to a different video output mode (see "Quick Setting of Video Output Mode" for more information).

Finally, you should see the initial setup wizard, which will allow you to perform the initial player configuration. After that you should see the main screen of the player menu. The main screen shows menu items which allow the use of different player functions. Adjust the player settings as needed using "Setup" menu.

### Quick Setting of Video Output Mode

The “MODE” RC button allows quick setting of video output mode without entering the player setup menu. This way of video output configuration may be required if you see no picture on the screen after connecting your player to a TV.

Press the “MODE” RC button and then one of the RC buttons “1”, “2”, “3”, “4”, or “5” to switch to one of the following video output modes respectively:

1. Composite PAL
2. Composite NTSC
3. HDMI, 480i, 60 Hz
4. HDMI, 720p, 60 Hz
5. HDMI, 1080i, 60 Hz

After you see a picture on the TV screen, press the “ENTER” RC button, and then go to the player setup menu to perform a more precise configuration of the video output mode if needed.

**NOTE:** The procedure of quick setting of video output mode cannot be used during playback and in some other cases. To ensure this procedure can be used, switch the player off, then switch the player on, and then wait about 1 minute to ensure the player loading is finished. After that press "STOP" RC button to ensure playback is stopped. Then use "MODE" RC button.



### **Using TV/Video Applications**

To use TV/Video applications, go to “TV” or “Video” or “Dune Store” sections (or other similar sections) of the player menu and check for available applications.

The presence of such menu sections and the availability of applications may depend on a particular region and a particular firmware version.

### **Connecting USB Drives**

To connect a USB drive, go to “Sources” section of the player menu and connect the USB drive to an USB port of the player. The player will recognize the USB drive, and will show an item corresponding to the USB drive on the main screen.

When connecting a USB drive requiring significant power (such as USB HDD), use an external power supply for the USB drive. Power provided by the USB ports of the player may not be enough for correct functioning of the USB drive.

Do not disconnect or switch off the USB drive when some write operation is in progress.

### **Formatting HDD**

To format the HDD attached to the player, select the HDD item in “Sources” section of the player menu, press the “INFO” RC button and choose “Format Disk” (to format the entire disk) or “Format Partition” (to format an already existing disk partition only). Then choose the type of file system: if you want to use the HDD only with the player, “EXT3” is typically a good choice; if you want to connect the HDD to a Windows PC, “NTFS” is typically a good choice. The player will format the disk. To format an unformatted HDD, just press the “ENTER” RC button on the HDD item.

NOTE: To use disks formatted by the player into “EXT2” or “EXT3” file system on a Windows PC, you may need to install additional software on the PC, such as “EXT2FSD” (<http://www.ext2fsd.com/>).

### **Switching the Player On and Off**

To switch the player on and to switch it off completely, use the power switch on the rear panel of the player.

To put the player into the standby mode, press the "POWER" RC button. To exit the standby mode, press this button again. Depending on the player settings (see the player setup menu), the "hardware standby" or "software standby" mode may be used.

In the "hardware standby" mode, almost complete power-off takes place and the player consumes almost no power. In the "software standby" mode, the player produces no signal on the video output, but is still functioning.

Exiting the "software standby" mode takes just a few seconds. When the player is in the "software standby" mode, it still consumes significant power. It is not recommended to keep the player in the "software standby" mode for a while if you do not need it.

NOTE: After switching off the player completely or putting the player into the "hardware standby" mode, it is recommended to wait about 1 minute before switching it on again.

### **Wi-Fi Access Point function**

The player can work as a Wi-Fi access point or Wi-Fi router. I.e. the player can connect to Internet via Ethernet and create its own Wi-Fi network which can be used by various devices (such as mobile phones, tablets, notebooks, etc) to communicate with the player and with each other and to access Internet. In order to use this, enable "Wi-Fi access point" function in "Setup / Network" menu.

### **Limitations**

Compatibility of the player with a particular hardware (A/V equipment, network equipment, disk drives, etc) may depend on various factors (particular hardware model, specifics of hardware installation and usage, configuration of the player and the hardware, etc). If the player does not work correctly with a particular hardware, try to adjust the configuration of the player or hardware, try to use the hardware in a different way, or try to use some other hardware. Compatibility of the player with a particular media content (files, discs, etc) may depend on various factors (specifics of media content encoding, specifics of the configuration of the player, etc). If the player does not play a particular media content, try to adjust the configuration of the player, or try to use media content encoded in a different way.

## WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.