



# HIGH DEFINITION DIGITAL SATELLITE RECEIVER

# User Manual ▶



**Please read this installation manual carefully before use.**

# Safety Precautions

Be sure to observe these precautions so as to use the product correctly and prevent injuries or damage to property.



## Warning



**Do not connect multiple power plugs to one outlet.**  
It may result in a fire.



**Do not use or keep the product and accessories for a long time at 0°C or lower or at 40°C or higher.** It may cause fire, heat, or other dangers.



**Do not bend the power cord too much and do not place heavy objects on the power adapter as it may become damaged.**



**Never disassemble, repair, or modify the product, accessories, or power adapter.** This presents the danger of fire and electric shock.



**Disconnect the power adapter during thunder and lightning to avoid damage and fire.**



**Do not let children or pets suck on or bite the product and accessories.** It may result in a fire or other dangers.



**Do not drop or hit your remote control. This may cause a malfunction or injury.**



**Avoid placing the product and accessories in places where there is high temperature or moisture.**

The product may malfunction or cause electric shock.



**Always use certified parts.**

If you do not use certified parts, the product may work abnormally and cause overheating, fire, explosion, electric shock, and/or injuries.

## Caution - Batteries

- Do not use damaged batteries for your remote control.
- If you replace the battery with the wrong type of battery, you can cause an explosion. Replace only with the same battery or an equivalent type.
- Do not dispose of batteries in a fire as it may explode.



**Do not place this product under direct sunlight, near heaters or in places where there is heat.** It may result in a fire.



**Do not pull the power cord to disconnect it.**  
If the power cord is damaged, it may cause a fire or an electric shock.



**Do not connect or disconnect the power adapter with wet hands.**  
It may cause an electric shock.



**Do not let foreign substances, moisture, or water get into the product and accessories.** It may cause malfunctions or fire.



**When there is heat or smoke from the product, immediately remove the power adapter.** It may cause a fire or an electric shock.



**Do not bend the HDMI cable or damage the power adaptor by pressing on it with a heavy object.** There may be a risk of fire or electric shock.



**Do not clean the product with chemicals such as benzene or thinner.**  
It may cause deformation and discolouration.



**Do not plug or unplug the power adaptor and HDMI cable with wet hands.** Doing so may pose a hazard.



**Keep the power adaptor and HDMI cable from heating devices.**  
It may cause explosion or electric shock.

## Caution - Data Protection

- Do not interrupt the power while in the process of upgrading the system software or an application.
- Do not interrupt the power during file uploading/downloading.

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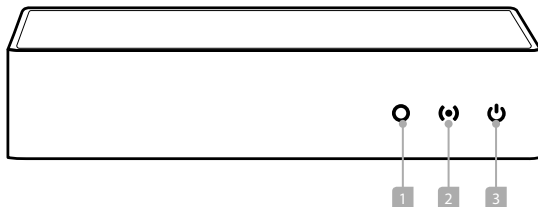
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# Names and Functions of Parts

## Front panel



### 1. RCU signal status

The indicator light is on when the device is receiving an RCU signal.

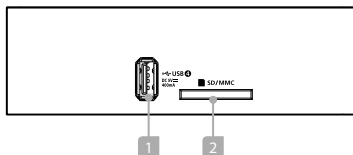
### 2. Network status

The indicator light turns on when the unit connects to a network.

### 3. Power status

The indicator light turns on when power is on.

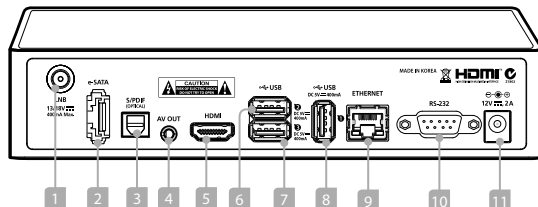
## Side panel



### 1. USB

### 2. SD/MMC

## Rear panel



### 1. LNB 13/18V --- 400mA Max.

Connect a satellite antenna cable.

### 2. e-SATA(OPTION)

Connect e-SATA device to e-SATA slot.

### 3. S/PDIF(OPTICAL)

Connect S/PDIF to the digital audio unit.

### 4. AV OUT

Connect AV cable to the display.

### 5. HDMI

Connect HDMI cable to the display.

### 6. USB

Connect external USB devices to USB slot. (--- 5V)

### 7. USB

Connect external USB devices to USB slot. (--- 5V)

### 8. USB

Connect external USB devices to USB slot. (--- 5V)

### 9. ETHERNET

Connect the LAN cable to ETHERNET.

### 10. RS-232

Connect PC.

### 11. --- 12V 2A

Connect power adaptor.

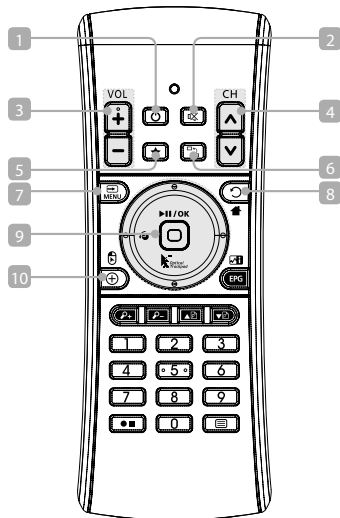
Connect USB type peripheral devices to USB slot. (--- 5V)

Insert SD/MMC to memory slot.

If SD/MMC is not mounted, the camera application is not available.

# Names and Functions of Parts

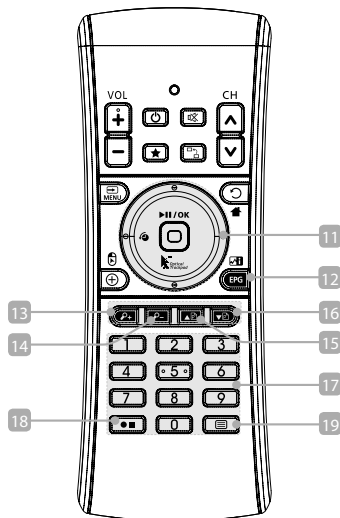
## RF RCU - Optical Trackpad






1. (Power) Power button.
2. (Mute) Mute button.
3. (VOL) Volume buttons.
4. (CH) Channel buttons.
5. ★ Assigns hotlink application.  
Press the ★ button for 3 seconds to capture the hotlink icon image.
6. Switches to the previous channel.
7. MENU Displays application menu items if available.
8. (Back) Returns to the previous screen.  
 (Home) (Long press) Displays current channel.
9. Plays/pauses media.  
 (OK) Selects highlighted menu item and changes values inside the menu.
- Optical Trackpad Provides mouse-like functionality.
10. (Drag) Opens Audio and Subtitle Language selection options.  
(Press and Hold) While the Drag button is pressed, the Optical Track Pad can be used to drag to the desired position.

# Names and Functions of Parts

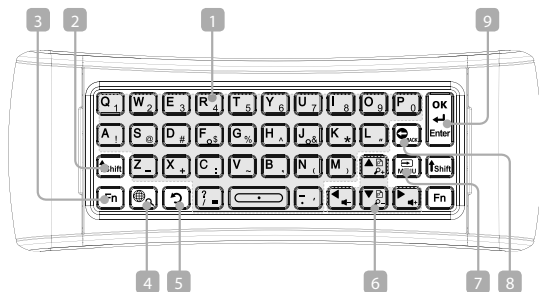
## RF RCU - Optical Trackpad



- 11. ▲/▼/◀/▶ Moves the focus up/down/left/right.
- 12.  - TimeShift (Option) TimeShift function is activated by pressing the left button while watching program.
- 13. EPG (White) Displays the Electronic Program Guide (EPG).
- 14.  (Status Information) (Press and Hold) Displays notifications, weather reports and recent applications.
- 15. CHANNEL (Red) Moves to CHANNEL menu.
- 16. Zoom In Zoom in function is available on images and web browsers.
- 17. APP (Green) Moves to APP menu.
- 18. Zoom Out Zoom out function is available on images and web browsers.
- 19. FAVORITE (Yellow) Moves to FAVORITE menu.
- 20. Page up Page up function is available on text pages and web browsers.
- 21. INTERNET (Blue) Moves to INTERNET menu.
- 22. Page down Page down function is available on text pages and web browsers.
- 23. Number Changes the channel number or enters numbers.
- 24. ● (Record) Records the current channel.
- 25. ■ (Stop) Stops recording.
- 26.  Displays teletext, audio language, and subtitle. (Press and Hold) Displays keyboard screen.

# Names and Functions of Parts

## RF RCU - Qwerty



### 1. Character, number, and functions

Enter characters or numbers.

### 2. Shift

If you want to input capital letters or upper letters, press **Shift** button together.

### 3. Fn

If you want to input numbers, special characters and functions with blue, press Fn button together.

### 4. (Multi Language)

You can enter the language you selected in the System menu of Setup.



**(Search)** (Press and Hold) Displays search screen.

### 5. (Back)

Returns to the previous screen.

### 6. / / /

+ / 

Moves the focus up/down/left/right.

Use Zoom in/out function with **Fn** button.

- / 

Use Volume up/down with the **Fn** button.

 / 

Use Page up/down function with the **Shift** button.

### 7. MENU

Displays the menu screen.

### 8. BACK

Removes the previous character.

### 9. ENTER

Finishes the current text input or executes a command.

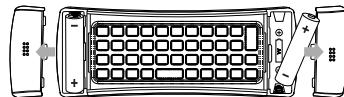
### OK

OK or select function with **Fn** button.

## Inserting the batteries

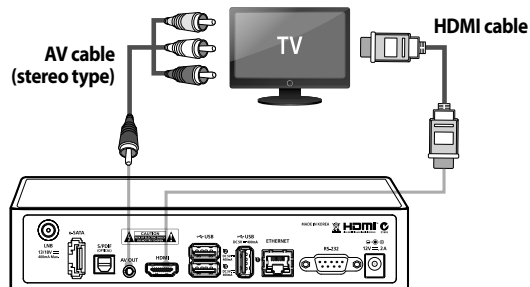
Use the 2 AA batteries for RF RCU.

1. Push and slide in the direction of the arrow in the figure to open the battery cover.
2. Insert the new batteries into the battery slot.
  - Make sure you match the plus (+) ends with the plus markings on the battery case.
3. Close the battery covers.

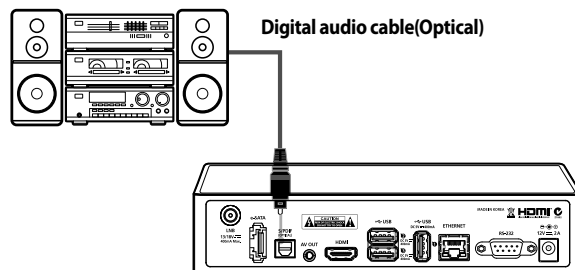


# Connections

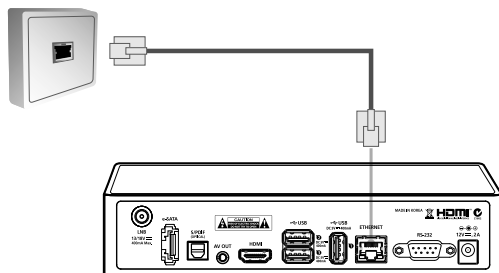
## ○ Connecting HDMI & AV cables



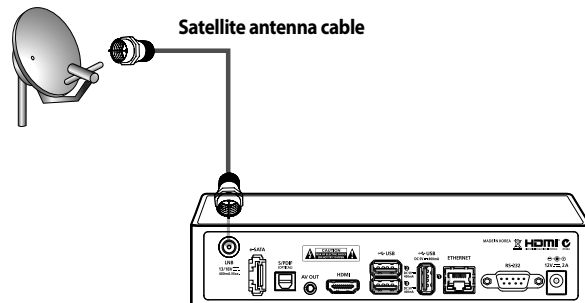
## ○ Connecting S/PDIF



## ○ Connecting Ethernet cable



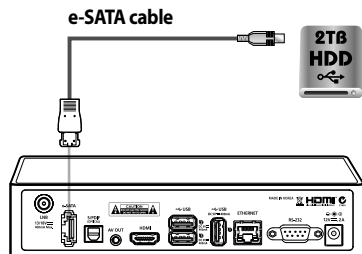
## ○ Connecting a satellite antenna cable



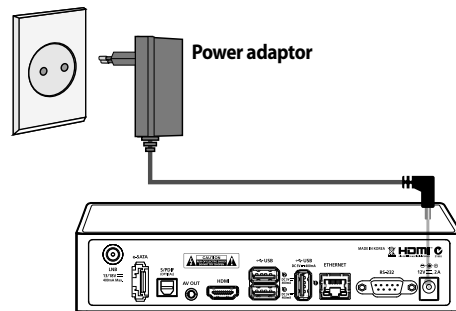


# Connections

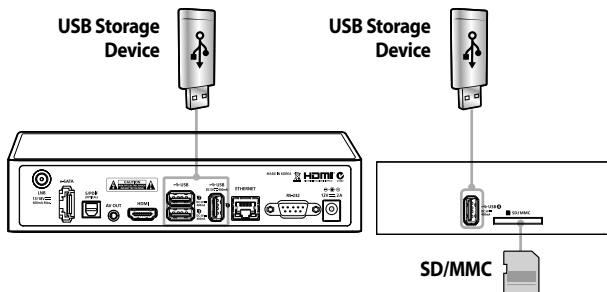
## Connecting external storage devices



## Connecting the power adaptor

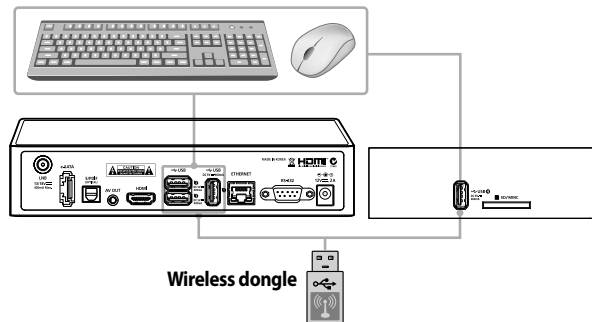


## Connecting USB storage devices



## Connecting peripherals

### Wireless keyboard and mouse.



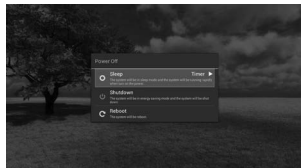
# Getting Started

## Turning the unit on

Press the **Power** button on the RCU to turn the device on and off. Please refer to **Connections** before initial use.

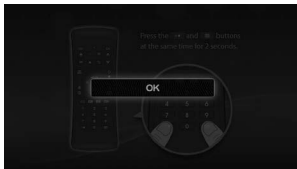
## Turning the unit off

You can press the Power button to select **Sleep**, **Shutdown** or **Reboot**. To **Sleep**, **Shutdown**, press ► button to select off timer.



## RF RCU pairing

During the initial booting, a pairing screen will be displayed.



1. Press the [OK] and [Back] buttons at the same time for 2 seconds.
2. An "OK" message will be displayed after pairing is complete.

## First-time installation

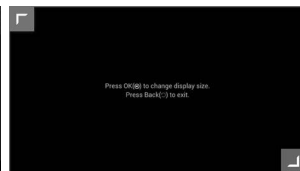
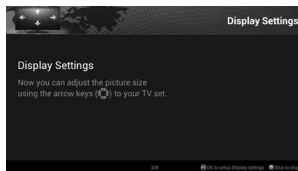
Before you can watch television or listen to the radio, you must first perform the installation procedures.

The **First time installation** gives you the convenience of selecting various languages, displays setting, network setting, weather setting, channel location setting and channel search.

1. Using the ▲/▼/Ⓜ (OK) buttons, select **Country and Language settings**. You can skip by pressing the ▼📄 (BLUE) button.



2. Press the Ⓜ (OK) button to select **Display Settings**.
3. Press Ⓜ (OK) button to changes icon for move.
4. Use the ▲/▼/◀/▶ buttons to change the display size.
5. Press the ⏮ (Back) button to save.



# Getting Started

6. Press the **(OK)** button to select **Network Settings**.

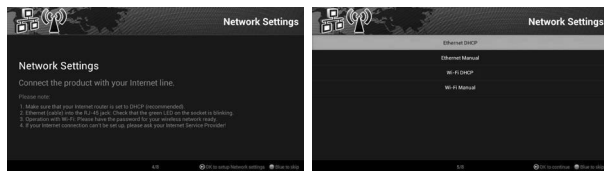
7. Select **Ethernet DHCP**, **Ethernet Manual** or **Wireless**.

**Ethernet DHCP** : Automatic setting.

**Ethernet Manual** : Manual setting. (IP address, Sub-Netmask, Default gateway, DNS address)

**Wi-Fi DHCP** : Displays the Wi-Fi list.

**Wi-Fi Manual** : Manual setting.

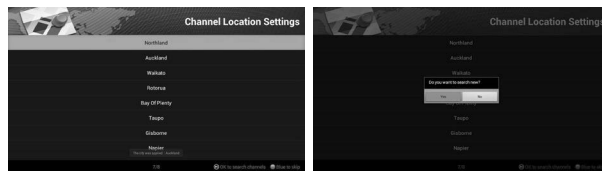


8. Press the **(OK)** button to select **Weather Settings**.  
Use the **▲/▼/⌂(OK)** buttons to select the city name.



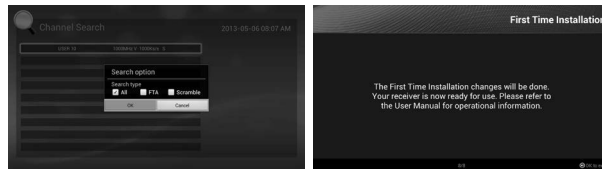
9. Press the **(OK)** button to select **Channel Location Settings**.

10. Using the **▲/▼/⌂(OK)** buttons, select the channel search location.



11. Select **ALL**, **FTA** or **Scramble** and then press the **(OK)** button to display the Channel Search screen.

12. Press the **(OK)** button to save and then press **(Back)** button.



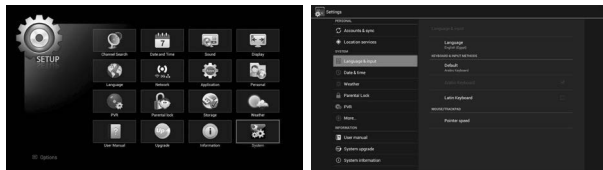
13. Select **ALL**, **FTA** or **Scramble** and then press the **(OK)** button.

# Getting Started

## ◉ Basic Settings



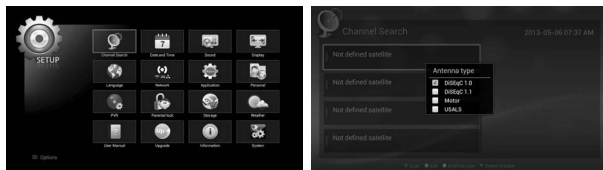
Select the **System** menu (the default PIN code is 0000).  
You can change the language, locale, font size, resolution, PIN code, sound and picture options and screen size from this menu screen.



## ◉ Satellite setting - Antenna type



1. Select the **System** menu (the default PIN code is 0000).
2. Select the **Channel Search** menu item to display the "Antenna type" popup menu.

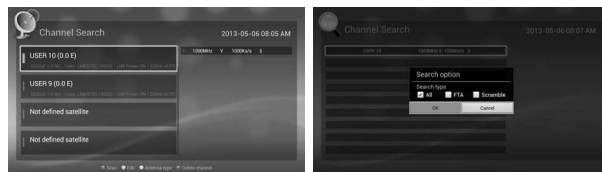


3. Use the **▲/▼/⏹ (OK)** buttons to select the **DiSEqC 1.0**, **DiSEqC 1.1**, **Motor** or **USALS** options.  
The Channel Search screen will be shown.

### \* Note

If you want to change the Antenna type, press the **▲/⏹ (YELLOW)** button.

## ◉ Satellite setting - Scan



1. Use the **▲/▼/⏹ (OK)** buttons to select the satellite for multi search. The blue indicator light should turn on.

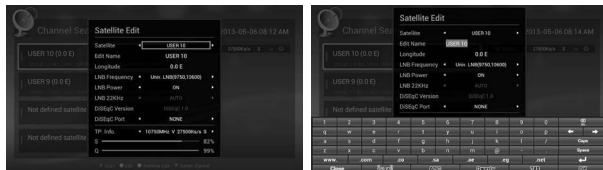
### \* Note

**Motor** or **USALS** does not support multiple selection.

2. Press the **⏹+ (RED)** button to scan for satellites.
3. Select the **ALL**, **FTA** or **Scramble** menu items to display the Channel Search screen.
4. Press the **⏹ (OK)** button to save.

# Getting Started

## ⦿ Satellite setting - edit



1. Use the ▲/▼/Ⓚ(OK) buttons to select a satellite to search for.  
The blue indicator light should turn on.

2. Press the Ⓚ (GREEN) button to display the Satellite Edit popup menu.

### • Satellite

Press the Ⓚ(OK) button to display a popup menu.

To edit sort, use the ◀/▶ buttons to select the **Satellite name** or **Longitude**.

Next, use the ▲/▼/Ⓚ(OK) buttons to select the satellite.

### \* Note

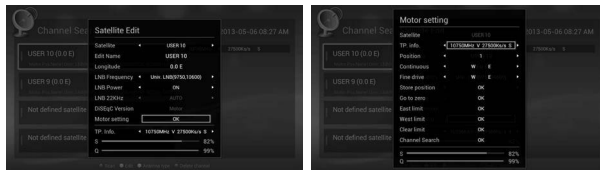
You can select a satellite using the ◀/▶ buttons.

### • Edit Name

You can change the satellite name.

To save the name, press the Ⓚ(OK) button.

## ⦿ Satellite setting - edit



DiSeqC 1.0 or 1.1

Motor or USALS setting

### • LNB Frequency

Press the Ⓚ(OK) button to display popup menu.

Use the ▲/▼/Ⓚ(OK) buttons to select an option.

### \* Note

You can select the LNB frequency using the ◀/▶ buttons.

### • LNB Power

Use the ◀/▶ buttons to select **ON** or **OFF**.

### • LNB 22KHz

Use the ◀/▶ buttons to select **AUTO**, **ON** or **OFF**.

### • DiSeqC Version

Use the ◀/▶ buttons to select DiSeqC version.

### • DiSeqC Port

Use the ◀/▶ buttons to select DiSeqC port.

• The **Motor** and **USALS** settings do not support DiSeqC 1.0 or 1.1.

# Getting Started

## ⦿ TP setting - scan

1. Use the **▲/▼/Ⓜ (OK)** buttons to select a satellite for TP search.  
The blue indicator light should turn on.
2. Press the **Ⓜ+ (RED)** button to display the Channel Search screen.
3. Set up the menu.

### \* Note

NIT search is only supported in TP search mode.

## ⦿ TP setting - edit

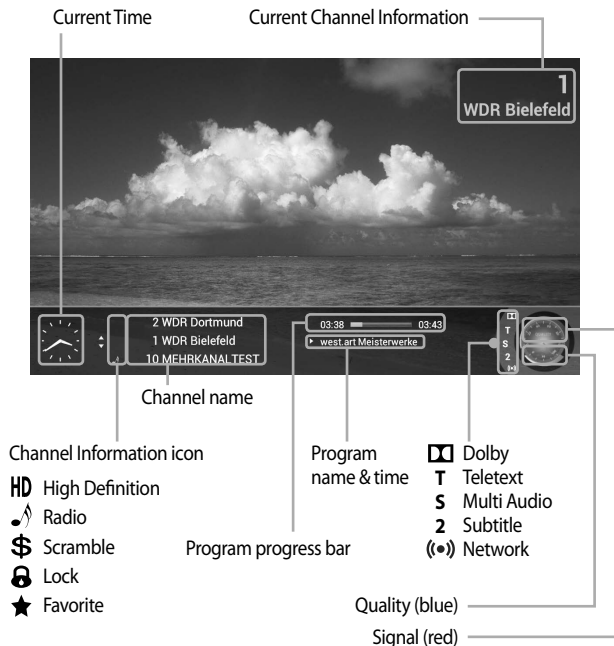
1. Use the **▲/▼/Ⓜ (OK)** buttons to select a satellite for TP edit.  
The blue indicator light should turn on.
2. Press the **Ⓜ- (GREEN)** button to display the Transponder Edit popup menu.
4. Set up the menu.

## ⦿ Deleting a channel

1. Use the **▲/▼/Ⓜ (OK)** buttons to select a satellite or transponder list. The blue indicator light should turn on.
2. To delete a channel, press the **▼ (BLUE)** button.
3. Press the **Ⓜ (Back)** button to return to the previous screen.

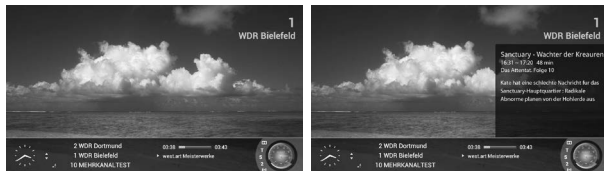
## ⦿ Configuring the Home Screen

To display **Home Screen**, press and hold **Ⓜ (Home)** button.



# Getting Started

## ◉ Viewing program information



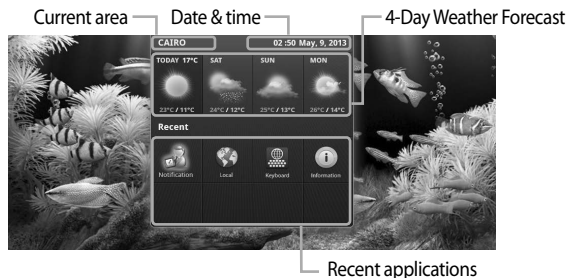
1. While watching a program, press the **⊕** button to display the program information.
2. While the program information is displayed, press the **⊕** button to display detailed program information

### \* Note

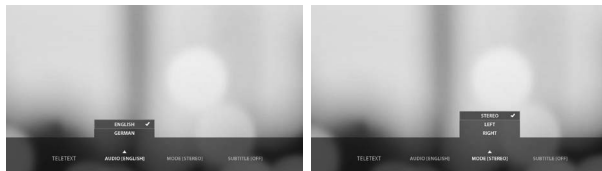
Program information will disappear after five seconds of inactivity.

## ◉ Using the status information menu

To display **Status information**, press and hold the **Ⓜ** button




## ◉ Using multi mode

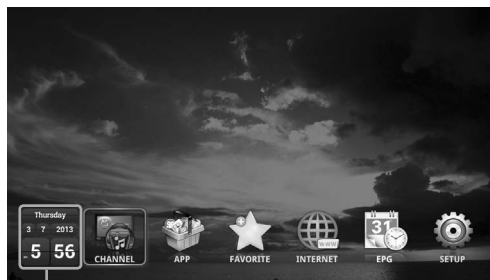


1. Press the **≡** button while watching a program to select Teletext, Audio and Subtitle Language, and Audio Mode.
2. Press the **↶ (Back)** button to return to the previous screen.

# Getting Started









## ⦿ Configuring the Main Menu

To display the Main Menu, press the  (**MENU**) button.



Current date & time

Use the ◀/▶/⏹ (OK) buttons to make a selection.

Main menu	Hot button	Description
		<b>Red</b> button. Displays the Channel list.
		<b>Green</b> button. Displays the Application list.
		<b>Yellow</b> button. Displays the CHANNEL, APP or INTERNET favorites.
		<b>Blue</b> button. Displays the bookmarks list.
		<b>White</b> button. Displays the 7-day Electronic Programme Guide (EPG).
	None	Selects on main menu. Displays the settings list's main menu.



# CHANNEL

## ◉ CHANNEL configuration

To display the **CHANNEL** menu, press  (RED) button.






Channel list


You can select the **Channel Editor**, **Options** menu or **Advanced Channel List**.

Displays the channel information.

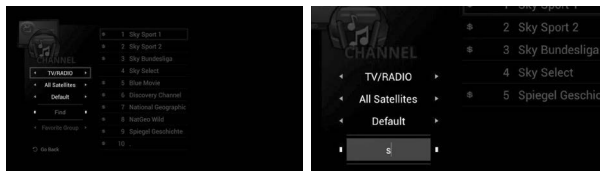
(Satellite name, Frequency, Polarity and Symbol rate)

## ◉ Using the sort menu

  or . Select **CHANNEL** menu.

1. Press the  (**MENU**) button to display the Options screen.

## ◉ Using the sort menu





2. The **Options** screen will be displayed.

### • **TV, Radio or TV+Radio sort**



Use the /  buttons to select **TV**, **Radio** or **TV+Radio**.

The channel list will change to the selected option.

### • **Satellite name sort**

Use the /  buttons to select the satellite name.

### • **Group sort**

Use the /  buttons to select the group. Possible options are Default, A-Z, Z-A, HD, SD, Scrambled or FTA.

### • **Find sort**

To Find channels, enter the first letters of the channel name.

#### \* **Note**

To Find sort, select the **Default** of **Group sort**.

Sorted channels on **Find sort** will not be saved.

If you cannot find any channels using **Find sort**, there are no saved channels beginning with the specified letters.

### • **Favorite group sort**

Use the /  buttons to select the favorite group name.

#### \* **Note**

The Favorite group can be set in the Channel editor.

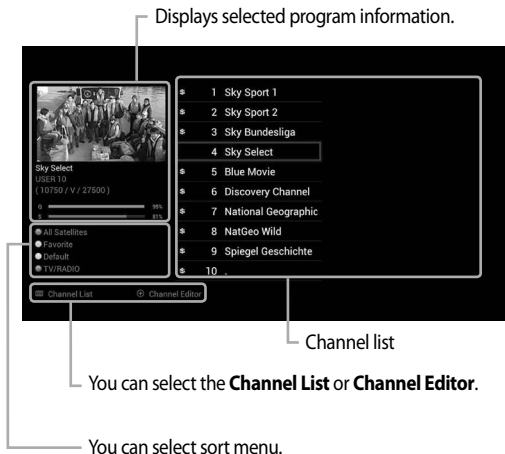
# CHANNEL

## ⦿ Advanced Channel List configuration

To display the **Advanced Channel List** menu, press **P+** ➡ **Menu** buttons.

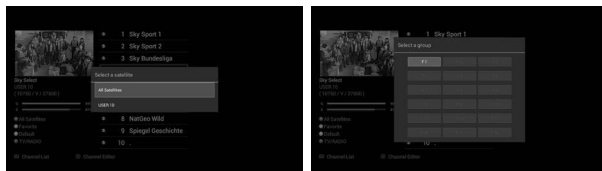
The preview screen will be displayed.

The colour buttons can be used to sort channels.



## ⦿ Using the channel sort menu

**MENU** ➡ **Color** ➡ **Menu** or **P+** ➡ **Menu**.



1. You can sort channels by using colour buttons.

- **Sorting by Satellite**

Press the **P+** (**RED**) button to sort channels by Satellite.

- **Sorting by Favorite group**

Press the **P-** (**GREEN**) button to sort channels by Favorite Group.

To select **F1 ~ F12**, press **OK** button.

- **Sorting by Channel name**

Press the **▲** (**YELLOW**) button to sort channels by channel names. (A~Z or Z~A)

- **Display all channel**

Press the **▼** (**BLUE**) button to display all channels.

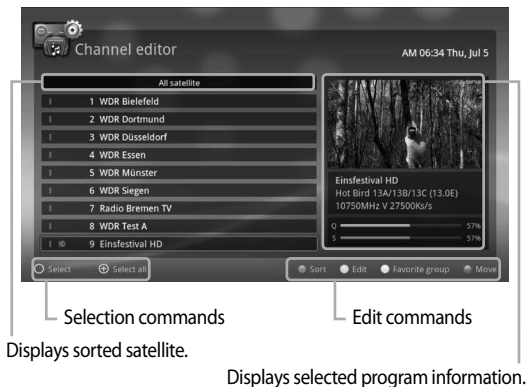
2. Press the **Teletext** button to go to the **Channel List** menu.

3. Press the **+** button to go to the **Channel Editor** menu.

# CHANNEL

## Channel editor

**MENU** → **Channel Editor** or **+** → **+**. Select the **Channel Editor** menu.



1. Press the **(OK)** button to enter multi edit mode. The blue indicator light should turn on.

### \* Note

Refer to help menu for select/deselect.

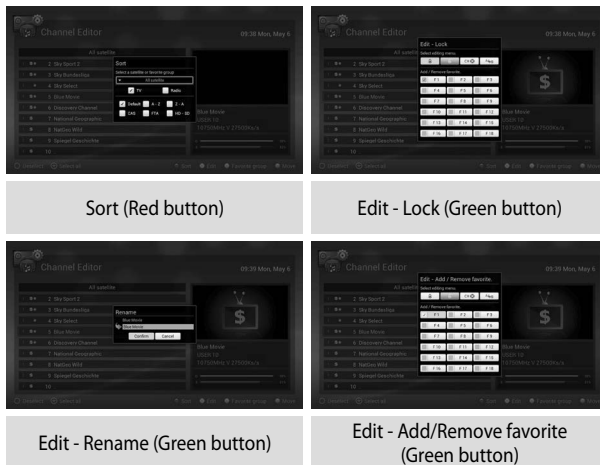
### • Channel sort

Press the **(RED)** button to sort channels.

Select satellite → **TV** or **Radio** → **Default, A-Z, Z-A, CAS, FTA, HD-SD**. Next, press the **(OK)** button to save changes.

## Channel editor

### • Channel edit



Press the **(GREEN)** button to edit channels.

Select **(lock)**, **(unlock)**, **CH** **(delete)**, **A↔B** **(rename)**, or **Add/Remove favorite**.

Press the **(OK)** button to select.

Finally, press the **(Back)** button to save changes.

# CHANNEL

## Channel editor



Multi select for move

Move focus (Blue button)

### Channel move

Press the (BLUE) button to move channels.  
Use the (OK) buttons to make a selection.

#### \* Note

To switch channel, select the **ALL satellite** of Sort  
( (RED) button).

## Favorite group

MENU or .

Select **Favorite group** menu.

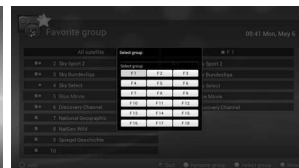


Add/remove commands

Help menu for edit.

Displays the channel lists of sorted satellite.

Displays selected favorite group.



1. Press the (YELLOW) button to select the favorite group.
2. Press the (OK) button to add the channel to the favorite group. A ★ will be displayed next to the channel.

# CHANNEL

## Favorite group



Channel sort (Red button)



Move focus (Blue button)

- **Channel sort**  
Press the **[RED]** button to sort channels.  
Select satellite ➔ **TV** or **Radio** ➔ **Default, A-Z, Z-A, CAS, FTA, HD-SD**. Next, press the **[OK]** button to save changes.
  - **Rename group**  
Press the **[GREEN]** button to rename the group.  
Press the **[OK]** button to display the keyboard screen.
  - **Select group**  
Press the **[YELLOW]** button to select the favorite group.  
To select **F1 ~ F12**, press the **[OK]** button.
  - **Move**  
Press the **[BLUE]** button to move channels.  
Use the **[▲/▼/◀/▶]** buttons to make a selection.
3. Press the **[Back]** button to return to the **Channel Editor** menu.

# APP

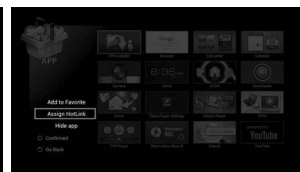
## APP menu

**[MENU]** ➔ **[APP]** or **[P-]**. Select **APP** menu.

1. Use the **[▲/▼/◀/▶]** buttons to select an application.
2. Press the **[MENU]** button to display the Options menu.
3. Use the **[OK]** buttons to select either **Add to Favorite**, **Assign Hotlink** or **Hide App** commands.



APP menu

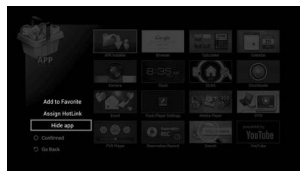


Assign Hotlink

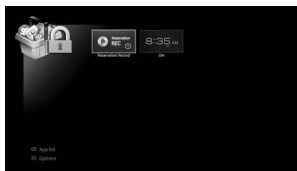
- **Add to Favorite**  
Adds the app to the **[FAVORITE]** list.
  - **Assign Hotlink**  
Assigns the selected application to Hotlink.  
Press the **[Assign]** button to run the assigned application.
- \* Note**  
Only applications can be assigned to Hotlink.

# APP

## ⦿ APP menu





Hide App






Hidden App List

### • Hide App


Adds the selected application to the  (**Hidden App List**) menu. To display the **Hidden App List**, press the  button.

### • Recovery App

Press the  (**MENU**) button to show the application in the **Hidden App List**. Selecting the **Recovery** menu displays the  (**App List**).

Press the  button to display the App List.

## ⦿ Using screen capture

1. Press and hold the  button for three seconds to perform a screen capture.
2. The captured image will be automatically set as the icon image.
3. The captured image will be saved on an external storage device.

### \* Note

Connect an external storage device to save captured images.  
This only applies to downloaded apps.

## ⦿ Using iMedia player



   or  . Select **iMedia player**.

Connect a USB device to use **iMedia player**.

**iMedia player** allows you to watch videos, listen to music and view pictures.

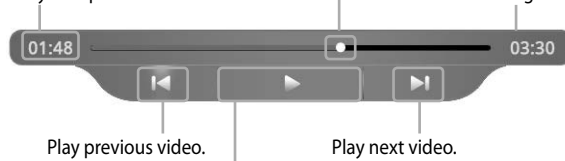



### • Video

Use the  /  buttons to move the current media playback position on the seek bar.

Playback position.

Total length.



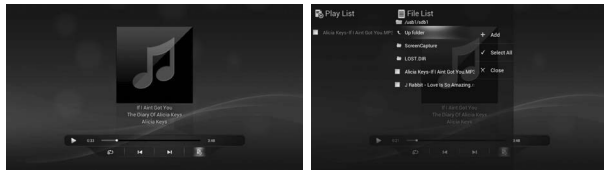
Press the  (**OK**) button to play/pause.

Press the  (**Stop**) button to stop playback and return to the previous screen.

### \* Note

Unicode subtitle is supported.  
Screen capture function is supported.

## Using iMedia player



### • Music

Select the music file.

Press the **▶** (OK) button to play/pause.

Use the **◀/▶** buttons to move the current media playback position on the seek bar.



Displays the play list settings (Add / Delete / Select All).

Plays the previous / next file.

To toggle repeat mode, press the **⏮** (OK) button.

**⏮** : Repeats the current song.

**⏮** : Repeats all songs.

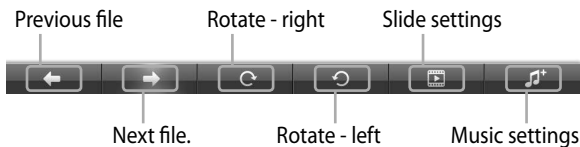
**⏮** : Do not repeat.

## Using iMedia player



### • Picture

Select the photo file.



Play the next file.

Press the **▶** (OK) button to play/pause.

Play the previous file.

Display the play list.



Displays music settings.

To toggle repeat mode, press the **⏮** (OK) button.

## Using PVR player



### Start recording

While watching a program, press the **● (Record)** button to begin recording. While recording, the record icon will be displayed for 10 seconds each minute.

#### \* Note

An external storage device is required to save the recorded program.



### Recording stop

Press the **■ (Stop)** button to stop recording. A save file pop-up menu will be displayed.

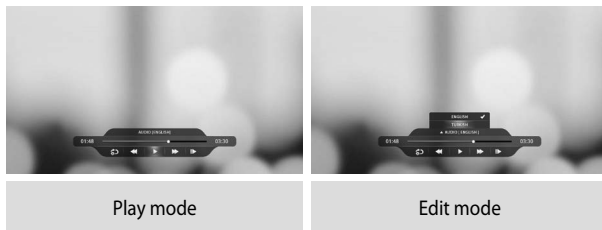
#### \* Note

An external storage device is required to save the recorded program.

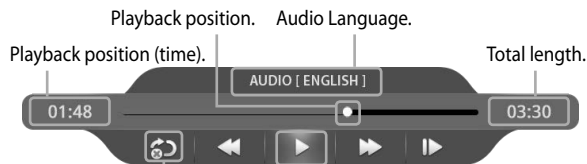
## Using PVR player

**MENU** → **●** → **●** . Select **PVR Player**.

Recorded programs can be played from this application.



### Play/Pause, Replay & time information



Press the **⏮ (OK)** button to play/pause.

Press the **⏮ (Back)** button to stop playback.

**Repeat** To toggle repeat mode, press the **⏮ (OK)** button.

**⏮** : Repeats the program.

**⏮** : Do not repeat.



## ⦿ Using PVR player

### • Fast-forward, Rewind and Slow-motion

To change mode, press **(OK)** button.

**Slow-motion** Each time the button is pressed, slow motion speed is changed to  $\frac{1}{2}x$ ,  $\frac{1}{4}x$ ,  $\frac{1}{8}x$  and  $\frac{1}{16}x$



### Fast-Rewind

Each time the button is pressed, the rewind speed is increased as  $2x$ ,  $4x$ ,  $8x$  and  $16x$ .

### Fast-Forward

Each time the button is pressed, the forward speed is increased as  $2x$ ,  $4x$ ,  $8x$  and  $16x$ .

### • Seek Mode

If you want to use seek mode, press the **▲** button during playback.



## ⦿ Using TimeShift

If the Time Shift is set while watching satellite broadcasting, press the "**◀**" button once.



Fast-Rewind



Fast-Forward

Each time the **◀** button is pressed, the rewind speed is increased as

$2x$ ,  $4x$ ,  $8x$  and  $16x$ .

Each time the **▶** button is pressed, the forward speed is increased as

$2x$ ,  $4x$ ,  $8x$  and  $16x$ .

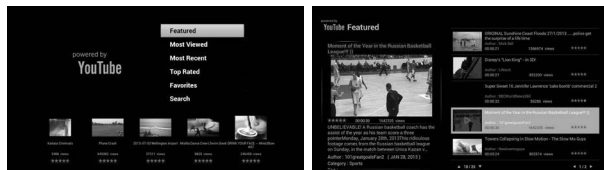
### \* Note

An external storage device to save to can be specified in the USB storage sub-menu in the PVR Settings menu found in the Setup menu.

# APP

## Using YouTube

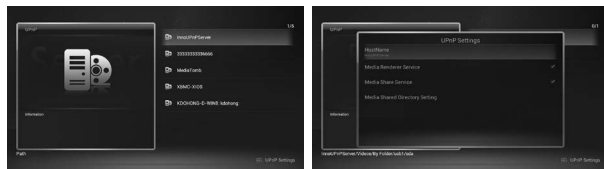
 →  or  → . Select **YouTube**.



The **YouTube** app can be found in the **APP** menu.  
The **YouTube** application allows you watch HD videos on **YouTube**.


## Using DLNA

 →  or  → . Select **DLNA**.




**DLNA** technology allows you to display content from other DLNA-enabled devices directly on your TV.  
To search for DLNA-enabled media devices, open the DLNA application.

## Using Search

 →  or  → . Select **search**.








For searching application and website, select **Search**.  
To input text, press  (**Keyboard**) button to display the virtual keyboard.

## Using Browser

 →  or  → . Select **Browser**.



Select the search box if you want to search and press and hold the  (**Keyboard**) button to display the virtual keyboard.  
Use the /// buttons to change selection.

### \* Note

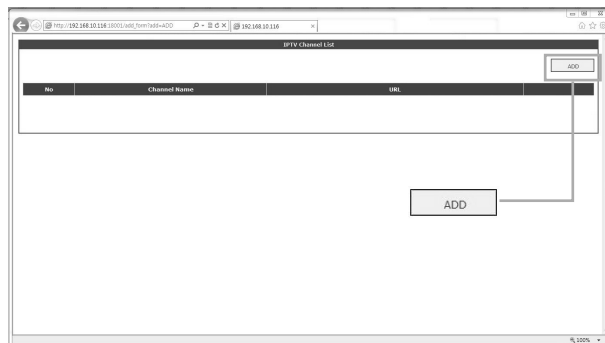
Use the optical trackpad on the  (**OK**) button to move the cursor.

## Using IPTV (Advanced Application)

MENU → [IPTV Icon] or [Search Icon] → [IPTV Icon]. Select **IPTV**.



Please enter the network access address displayed on the IPTV application to the browser on PC as below and click **ADD**.



## Using IPTV (Advanced Application)

Please enter the channel name and URL information and click OK.



Channel Name



IPTV channel URL

After the **(OK)** button is pressed, the channel will be displayed on the PC browser and IPTV application.



PC



Screen

# APP

## ⦿ Using xbmc (Advanced Application)

MENU → → or → Select **xbmc**.

### Disclaimer

XBMC software is provided for advanced users for experimental purposes. The software is offered without any warranties or right of claim for any damage caused to the product or any source or body external. The product manufacturer or its distributors will not be liable for any damages caused by the use of this software. Please refer to the official XBMC website for full instructions and support for the software.



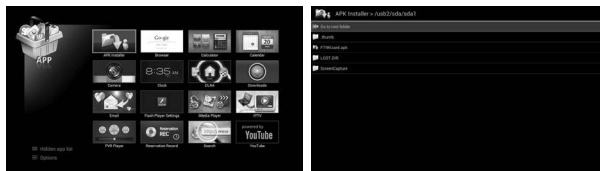
You can use various services like Video, Pictures, Weather and etc. through xbmc. If you download Skins from System menu, you can change the xbmc skins.



## ⦿ Using APK Installer (Advanced Application)

MENU → → or → Select **APK Installer**.

You can installation to select APK installer file.






### \* Note



APK files need to be saved on an external USB storage device.

## FAVORITE

### ⦿ Remove from Favorites




 **MENU** →  or  . Select **Favorite** menu.





1. Press the  (**MENU**) button to display the **Options** menu.
2. Press the  (**OK**) button to select **Remove from Favorite**.

## INTERNET

### ⦿ Add to Favorites



 **MENU** →  or  . Select **INTERNET** menu.

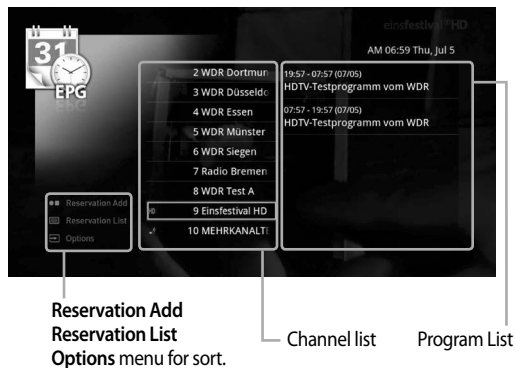







1. Press the  (**MENU**) button to displays the **Options** menu.
2. Press the  (**OK**) button to select **Add to Favorite**.

## EPG

### ⦿ Configuring the EPG

 **MENU** →  or **EPG** . Select **EPG** menu.

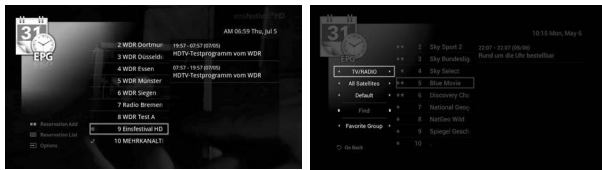


1. Use the / buttons to select a channel.
2. Press the  button to move to the program list.
3. Use the / buttons to specify a date.

## ◉ Viewing program information

Press the **OK** button to display program information.

## ◉ Using the sort menu



1. To sort channels, press the **MENU** button.

2. Displays **Options** screen.

### • TV, Radio, or TV+Radio sort

Use the **◀/▶** buttons to select **TV**, **Radio** or **TV+Radio** channel lists.

### • Satellite name sort

Use the **◀/▶** buttons to select a satellite name.

### • Group sort

Use the **◀/▶** buttons to select a group.

Possible options are Default, A-Z, Z-A, HD, SD, Scrambled or FTA.

## ◉ Using the sort menu

### • Find sort

To Find channels, enter the first letters of the channel name.

#### \* Note

To Find sort, select the **Default** of **Group sort**.

Sorted channels on **Find sort** will not be saved.

If you cannot find any channels using **Find sort**, there are no saved channels beginning with the specified letters..

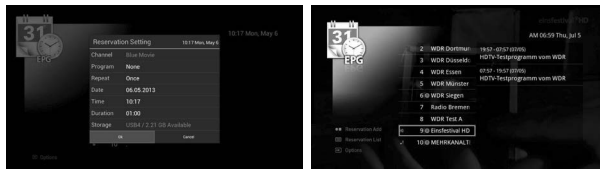
### • Favorite group sort

Use the **◀/▶** buttons to select the favorite group name.

#### \* Note

The Favorite group can be set in the Channel editor.

## ◉ Add Reservation Recording



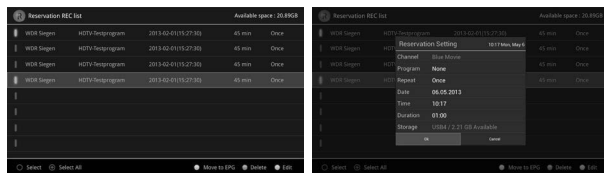
1. Use the **▲/▼/◀/▶** buttons to select a program.

2. Press the **■** button to display the **Reservation Setting** menu.

**Repeat**, **Date**, **Time** and **Duration** settings are available in this menu. The **R** icon will be displayed.

## ⦿ Reservation List

Displays the PVR storage and available space.



### • Edit

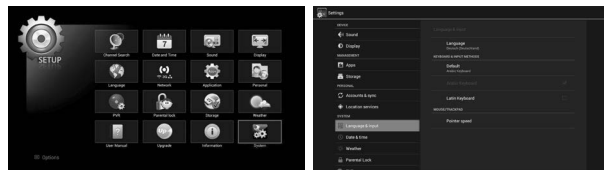
Use the ▲/▼ buttons to select an item in the reservation list. Press the **⏮** (GREEN) button to display the **Reservation Settings** menu. **Repeat**, **Date**, **Time** and **Duration** settings are available in this menu.

### • Delete

Use the ▲/▼/⊕/⊙ (OK) buttons to select, multi-select or select all. The blue indicator light should turn on. Press the **⏮** (RED) button to delete the selected item.

## ⦿ Using the SETUP

**MENU** → **⚙** → **⚙**. Select **System**.



## WIRELESS & NETWORKS

- **Wireless** : On/Off.
- **Ethernet** : DHCP/Static IP.
- **Bluetooth** : On/Off.
- **More** : VPN (Virtual Private Network)  
: Wireless hotspot  
: Mobile networks(3G) - USB type

## NETWORKS & SERVICE

- **SAMBA Service** : Network service to connected storage.

## DEVICE

- **Sound** : Volume  
: Output Port (HDMI and SPDIF or SPDIF Only)  
: Output Mode (LPCM or Passthrough)
- **Display** : Font size  
: Resolution  
: Picture  
: Screen size

# SETUP

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## ⊙ Using the SETUP

### MANAGEMENT

- **Apps** : Application management.
- **Storage** : Storage information.

### PERSONAL

- **Accounts & sync**
- **Location services**

### SYSTEM

- **Language & input** : Language.
  - : Keyboard & input methods.
  - : Mouse/Track pad - Pointer speed.
- **Date & time** : Select time zone.
  - : Use 24-hour format.
  - : Select date format.
- **Weather** : Show weather forecast on **Status information** menu.
  - : Location.
  - : Temperature unit (Celsius or Fahrenheit).
- **Parental Lock** : Lock settings.
  - : Lock channel editor.
  - : Lock channel.
  - : Hide locked channel.
- : Change PIN code.

You can change PIN code (Default PIN code is 0000).  
If you lost your PIN code you are not able to access to any functions with PIN Code. (DO NOT FORGET IT!)

\* **Note** : Master PIN code : 7962

## ⊙ Using the SETUP

- **PVR** : Storage path.
  - : Time-shift.
- **Channel Location** : Select location for channel.
- **More** : Pairing for RF remote controller.
  - : Factory reset.

This procedure will erase all of your personal data including information about your Google Account, any other accounts, your system and application settings, and any downloaded applications.

This data cannot be recovered.

### INFORMATION

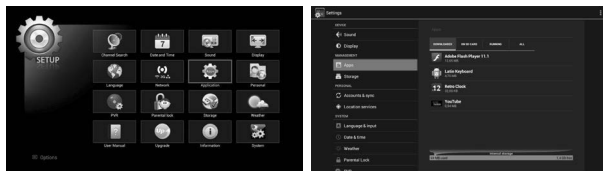
- **User manual**
- **System upgrade - Firmware upgrade**
  - : Firmware upgrade from network.
  - : Firmware upgrade from USB.
  - : Notify when new firmware is available.
- **System upgrade - Channel upgrade**
  - : Upgrade channel data from network.
  - : Upgrade channel data from USB.
  - : Extract channel data.
  - \* **Warning** : Do not turn off the device during software update.
- **System information**



# SETUP

## ⦿ Managing applications

MENU → ⚙️ → APPS → ⏹️. Select **Application**.



1. Use the ▲/▼/◀/▶ buttons to select **Management**.  
Next, press the ⏹️ (OK) button to select **Apps**.
2. Applications downloaded from the TV Application Market are displayed in the '**Downloaded**' section.
- 3 To view all applications, select the "All" section.  
The default applications cannot be uninstalled.
4. To view all running applications, select the "Running" section.  
Running applications can be stopped by selecting the respective option in the application detailed information.
5. To display detailed application information, select the application. You can force quit, uninstall, delete data, remove settings and clear the cache of the application from here.

### \* Warning

Downloaded Applications from the web may come from unknown sources. To protect your device and personal data please download applications from trusted source, such as TV Application Market.

# Troubleshooting

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When your product does not work, please try the following solutions.

If your problem is not solved by the following solutions, please call our Service Centre.

Problems	Solutions
Power is not turned on.	<ul style="list-style-type: none"><li>• Check the power adaptor.</li></ul>
The device is hot.	You may feel the device is warm when you use the product or connect the power adapter for a long time. However, the product has no other problems.
Poor picture quality	Check the signal level. If it is low, please try to adjust the alignment of your satellite dish.
No sound	<ul style="list-style-type: none"><li>• Check the volume level of TV and STB.</li><li>• Check whether the TV or STB are muted.</li><li>• Check the HDMI and AV OUT cable.</li></ul>
No screen displayed	<ul style="list-style-type: none"><li>• Turn OFF and turn ON the main power.</li><li>• Check all connectors.</li><li>• Check other channels.</li></ul>
RCU is not working.	<ul style="list-style-type: none"><li>• Check the batteries of the remote control.</li><li>• Point remote control directly towards the receiver.</li></ul>

# Specifications

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## Tuner

Input Connector	F-type, IEC-169-24, Female
Input Frequency	950MHz to 2150MHz
Input Impedance	75Ω
Signal Level	-25 to -65 dBm
LNB Power	13V/18V (Max 400mA with short circuit protection)
LNB Control	DiSEqC 1.0, 1.1 & 1.2, USALS
LNB Tone Switch	22KHz (600mV)
Demodulation	QPSK, 8PSK
Input Symbol Rate	DVB-S : 2-45 Ms/s DVB-S2 : 10-30 Ms/s (QPSK), 10-31 Ms/s (8PSK)

## A/V Decoder

Transport Stream	MPEG-2 ISO/IEC 13818 MPEG2 MP@ML MPEG2 MP@HL MPEG-4 HP@L 4.1
Aspect Ratio	16:9
Audio Decoding	MPEG Layer I & II & III
Audio Mode	Single channel/Dual channel/Joint Stereo/Stereo
Sampling	32, 44.1 and 48kHz
Video Resolution	PAL/NTSC up to 1080P

## Input / Output

Video/Audio (Stereo)	Composite Video and Audio L/R (option)
HDMI	Fully compliant with HDMI 1.3a
RS-232	D SUB (9Pin)
USB	4 x USB 2.0
e-SATA	Up to 3 Gbps
S/PDIF (OPTICAL)	Digital Audio output
SD/MMC	1 x SD memory card slot
Ethernet	10/100BASE-T : RJ-45 Ethernet
Wireless	802.11 b/g/n (2.4Ghz)

## Hardware

Main Chipset	ARM Cortex-A9 1GHz (2500 DMIPS)
RAM	1GB (DDR3)
Flash Memory	NAND 4GB, SPI 8MB

## Software

Operating System	Android 4.0 ICS
Internet Browser	WebKit-based Android browser
Media Player	Photo, Music, Video
Protocols	Static, DHCP, HTTP(VOD), HLS(Live, VOD)
Graphics	2D/3D graphics with hardware acceleration or alpha blending
Upgrade	Firmware upgrade by network and USB

## Media Support

Container	MP4, AVI, MKV, 3GP, MPEG TS, MOV, MP3, OGG
Video Codec	H.264(MPEG4-AVC, VC-1), MPEG2, DivX3/4/5
Audio Codec	MP3, AAC, MPEG Audio

## Power Supply

Input Voltage	12V DC, 2A
Adaptor Type	Wall mount Type (100 ~ 240Vac, 50/60Hz)
Power Consumption	19W

## Physical Specification

Size	(W) 200 mm x (D) 130 mm x (H) 40 mm
Weight	458g
Operating Temperature	0°C to + 45°C

