





# Your

# **USER GUIDE**



# Welcome to Freesat.

## INCLUDED WITH YOUR SMART TV RECORDER

- ✓ Quality state of the art satellite TV receiver
- ✓ Over 200 of your favourite channels
- ✓ Picture perfect High Definition on selected channels
- ✓ BBC iPlayer, ITV Hub, All 4, Demand 5, YouTube, BBC News and BBC Sport app
- ✓ Pay for a little extra telly if you want with Netflix, Curzon Home Cinema, Wuaki.tv and Hopster
- Catch up on the last 7 days of TV with a unique Roll Back TV Guide
- ✓ Showcase (specially selected editorial TV picks)
- Clever Recording the smart way to organise your recorded shows
- ✓ Easy plug and play set up
- ✓ Free, expert customer support visit freesat.co.uk/help or call 0345 313 0051

## **NEED A HAND?**

If you need help anywhere along the way, just go to the **Help & info** menu on the **Home** screen or visit **freesat.co.uk/help** 

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## Your remote control

**Recordings** – goes to your recordings

**Skip backwards** – skips backwards in recordings

**Stop** – stops a recording and On Demand playback

**Rewind** – rewinds up to x32 times faster

**Record** – records what you're watching or sets a recording in the TV Guide

**Search** – brings up the Search screen

**Back** – goes back one step

### MAIN CONTROLS

**Up, down, left, right arrows** – moves around the TV Guide and menus

**OK** – confirms your selection

**Number buttons** – to enter channel numbers

**SUB** - turns subtitles on or off



**Standby** – puts the box into standby, and on again

**Skip forward** –skips forward in recordings

Fast forward – fast forwards up to x32 times faster

**List** – sort the TV Guide into channel categories

**Pause** – pauses live TV, recordings and On Demand playback

**TV Guide** – opens and closes the TV Guide

Exit - returns to live TV

**Home** – takes you anywhere

i – gives you more info about a programme

**Colour buttons** – gives you more options on-screen

AD – turns audio description on or off

## On screen icons

## **ON SCREEN ICONS**

- may contain material with adult themes
- subtitles available
- audio description available
- shown with sign language
- Dolby surround sound available
- High Definition
- an HD version also available
- reminder
- part of a series
- film

## **RECORDING ICONS**

- to be deleted soon
- kept (won't be deleted)
- unwatched
- part watched
- series recording set
- recording set
- recording failed
- watch from the start

## Home



The Home screen will take you anywhere you want to go. Press HOME

Home takes you to:

#### TV Guide

See whats on Now & Next.

#### Showcase

The Freesat team's picks of what to watch this week and what's available On Demand.

#### Recordings

Record a show or entire series at the touch of a button, all easy to find in the Recordings section.

#### On Demand

The best Catch up TV and On Demand services full of TV favourites ready to watch when you are. Your Freesat box will need to be connected to the Internet. (see page 24).

#### Search

Quickly find a programme without trawling the TV listings.

#### Help & info

Tips on making the most of your Freesat box, and info about services for visually impaired and hard of hearing viewers.

## The TV Guide



See what's on the minute you sit down with our at a glance 'Now & Next' view. Press TV GUIDE





🔰 🐸 🖎 to explore:

- what's on 'Now & Next'
- what's coming up in the next 7 days



- what's been on already but is available for catch up



## Your main controls

These buttons can get you everywhere.

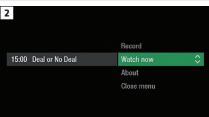
Press on a programme in the TV Guide and all the available options for that specific programme will be listed.

So if a programme is on live TV now, highlight it in the TV Guide, press and the Action Menu will look like screen 2.

If the programme is on later, you'll be able to Set reminder, or Record it (Screen 3).

Press  $\Leftrightarrow$  to scroll through the options and \$ to select.



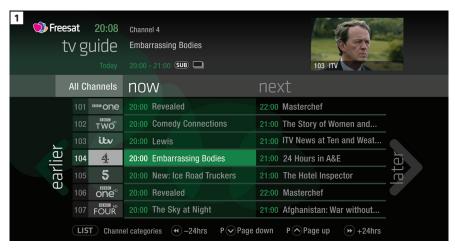




#### TOP TIP

Pressing on a programme brings up all the available options.

# Seeing what's on – Now & Next



The TV Guide shows what's on now and next in an 'at a glance' view.

Press TVGUIDE

To move through the channels, use 🗬 👺

To move through the programmes a page at a time, press **P**(**a**) and **P**(**b**)

To move forward and back 24 hours, press and  $\bigcirc$ 

As you browse through the guide, you can find out more about a programme and see a full description by pressing

Highlight a programme and press was and choose Watch now (Screen 2).

At any stage to go back to watching TV full screen, press EXIT



#### TOP TIP

If you know the channel number, jump straight to it in the TV Guide with the number buttons.

# Watching something on earlier

You can catch up on the last 7 days of TV with our Roll Back TV Guide.

This is available on selected channels with On Demand services on Freesat. Look out for earlier highlighted in the TV Guide where this is available.

Press & to see programmes from earlier on today, ready to watch whenever you are (Screen 2).

You can go back up to 7 days by continuing to press ( (Screen 3).

Highlight a programme you want to watch and press (11)

To go back to the live TV Guide, continue to press **3** 

To go back to watching TV full screen, press EXIT







# Planning what to watch later

To plan your viewing a bit further ahead, the full TV Guide has listings for the next 7 days.

Use to browse programmes that are on 'later' (Screen 1).

For the full TV guide press 🔇 again (Screen 2).

To move forward and back 24 hours, press (C) and (D)

You can plan your viewing for up to a week in advance, setting reminders and recordings.

To clear the Guide press **EXIT** 

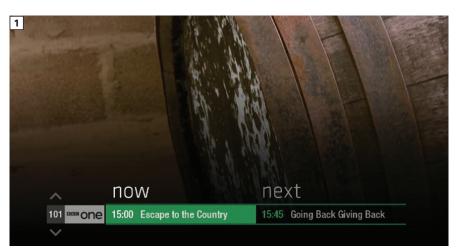






To fast scroll through the TV Guide, press and hold 🔇 🔊 👄 😊

# **Browsing whilst watching TV**



You don't have to stop watching TV to see what else is on. For a quick snapshot of what's on now and next, press any of the \( \begin{align\*} \begin{align\*} \text{\text{op}} & \text{\text{\text{op}}} & \text{\text{buttons}}. \end{align\*}

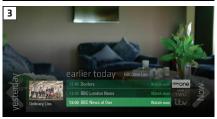
To see what's on other channels, press ⇔ ❤ (Screen 2).

Browse programmes on earlier today by pressing (and what's on later by pressing (Screen 3).

You can set reminders and recordings here by pressing

To go back to watching live TV full screen, press EXIT





## TOP TIP

Press **i** to see the programme description.

Set a programme to record with one touch by pressing (P)

# Find out more about a programme

Programmes come with extra info to help you decide whether to watch them.

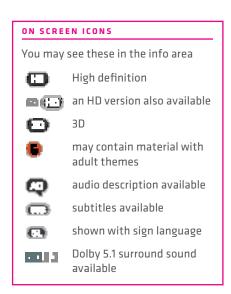
To see the programme info, highlight the programme in the TV Guide and press the

button. A short description will then show in the info area next to the mini TV (Screen 1).

To see more info about the programme, press of for the Action Menu (Screen 2).

#### Select About

Here you'll find a longer description of the programme including when it is showing again and other episodes (Screen 3).









# Find programmes by channel category

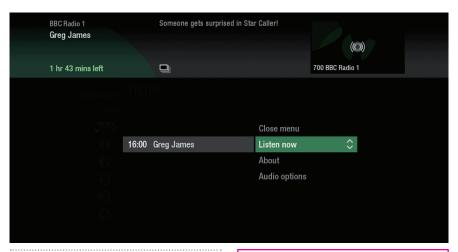


In the mood for a movie, or need your next news fix? Jump straight to that group of channels in the TV Guide by pressing ust on your remote control (Screen 1).

Use  $\Leftrightarrow$  to choose the type of channel you're looking for, and press (Screen 2). You'll then only see the channels within that category in the TV Guide.



# Finding and listening to radio channels



Find the radio channels in the TV Guide quickly by pressing ust, then use and select Radio.

To listen to a radio programme, highlight it in the TV Guide and press (18)

You can choose to Listen now, Set reminder or Record just like a TV programme.

TOP TIP

Radio channels start at Channel 700

# Setting a reminder



Worried you'll miss a programme? Well worry no more. You can set a reminder from the TV Guide or while watching live TV.

## From the TV Guide (Screen 1).

Highlight the programme, you want to set a reminder for, press and select

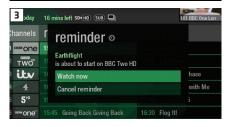
Set reminder

#### While watching live TV (Screen 2).

Highlight a programme, press and select Set reminder

The reminder prompt will appear on screen 30 seconds before the programme starts, and will then auto tune to the channel (Screen 3).





## TOP TIP

To cancel a reminder, press when the prompt is on screen.

# Recordings



#### Ways to record

## 1) one touch record from live TV

To record the programme you're watching now, press (2)

#### 2) from the Now & Next banner

Highlight the programme you want to record, press

#### 3) from the TV Guide

Highlight the programme you want to record, press (2)

#### 4) from Showcase

Record any of the upcoming programmes in Showcase by pressing and selecting

#### 5) from Search

Record straight from the Search results, by pressing (S) and selecting (Record)

### Multi tasking

Your Freesat box can record one channel while you watch another. Or you can record two different channels, and play back a recording you made earlier.

The box will need to be connected to the satellite dish with two cables. If you only use one cable, this feature won't be available.

Pressing standby while recording won't stop the recording. Your Freesat box will go into standby when the recording has finished.

#### Record from when you started watching

Your Freesat box automatically saves up to 30mins of the channel you're watching, even if you're not recording.

So if you decide that you want to record a programme part way through, press

and it will record from the point you tuned to that channel.

# Handy auto prompts



#### Recording a series

If the programme is part of a series, you'll be asked whether to set the whole series to record (Screen 1).

#### **HD** alternative

If the programme is also on in HD, you'll be asked whether to record the High Definition version.

#### Solving a recording conflict

Your Freesat box will help you solve the recording conflict by searching the TV listings (Screen 2).

If the programme is on at another time in the TV listings your Freesat box will suggest it.



# See what you've set to record

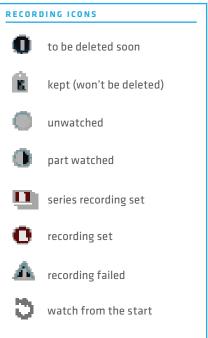


Press RECORDINGS on your remote control and navigate to the 'planned' section.

All the programmes you've set to record are listed chronologically by the recording date

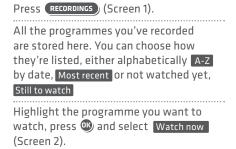
When a programme is being recorded or is set to record the recording icon will appear next to it in the TV guide.

shows the programme is part of a series. All episodes will be recorded and stored together.



# Find and watch a recording







# **Recording playback controls**



#### **PLAY**

To start watching a recording, highlight the recording, press (18) and select Watch now

# FAST FORWARD AND REWIND

Press • or • to shift to a different place in the recording (Screen 1).

You can choose different speeds, up to 32x by pressing **3** or **3** repeatedly.

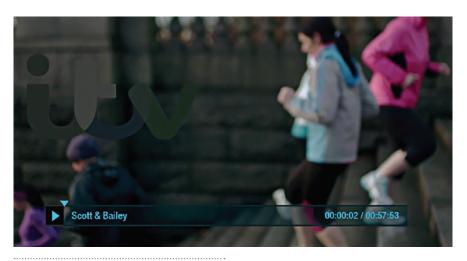
## PAUSE

Press to freeze the screen while you're playing, fast forwarding or rewinding a programme.

#### STOP

To return to your Recordings, press 🔾

# Pick up a recording from where you left off



If you want to go back to a recording you stopped halfway through, highlight the recording and press (4)

You'll have the option to:

Watch from start or Resume . Resume will play from the point you left off.

## Checking your remaining viewing time

See how long you have left to watch by pressing any of the arrow buttons.

# Managing your recording space

You can see how much space there is left for new recordings using the bar at the top of the Recordings screen. It's worth remembering that high definition (HD) programmes use more recording space than standard definition (SD) programmes.

## **Recording space**

Your box will automatically delete the oldest watched recording if there's not enough space for a new recording.

Programmes that are next in line to be deleted are stored in the folder 'deleting soon'.

#### **Deleting a recording**

Press RECORDINGS

Highlight the recording you want to delete, press and select Delete from the list.

If the recording is part of a series you also have the option to delete all recorded episodes.

#### Keeping your recordings

Press RECORDINGS

Highlight the recording you want to protect from being deleted, press and select Keep from the list. The Keep icon will be added to the recording (Screen 2).

All 'Kept' recordings are stored in their own folder.





## Pause and rewind live TV



Pause the action and pick up where you left off, and rewind the best bits again and again.

#### Pause live TV

To pause the programme you're watching, press ①.

You can pause live TV for up to two hours.

When you're ready to watch again, press .

After two hours on pause your box will automatically start to play from the point that you paused the TV.

#### Rewind live TV

To rewind the programme you're watching, press .

To return to live TV from pause playback and rewind playback press **EXIT**.

## Connect to the internet



Connect to the Internet and open up a whole new part of the TV Guide.

You'll be able to Roll Back through the TV Guide on some channels to catch up on programmes you've missed over the last 7 days. You'll also be able to enjoy the On Demand services on Freesat.

Minimum 2Mps broadband speed required.

The best way to connect is with an Ethernet cable. Slot one end into the Ethernet port on the back of the box, and the other end into an Ethernet port on your router (Illustration 1). That's it, you're connected.

If your router is too far away to use a cable, you can connect to your home Wi-Fi network. The box will automatically display available Wi-Fi networks and you'll just need to enter your password.

Or, try using a pair of Homeplug Adapters. They're a safe and convenient way to access the Internet around your house using the electrical wiring.

#### Free On Demand Players















Optional Pay On Demand Players









## **On Demand**



Find hundreds of hours of programmes ready to watch whenever you want.

Press HOME on your remote control.

Go to On Demand, and press (9) to see all available On Demand services. (Screen 2).

Use 🐧 🔊 👄 to browse through the On Demand services and 🚳 to select.

Whilst watching an On Demand programme, you can use the playback buttons and , just like a recording.

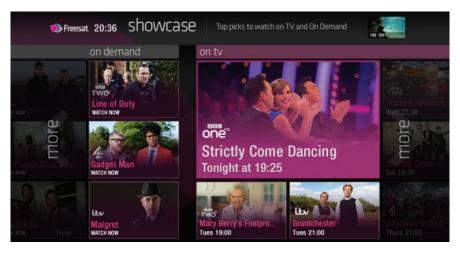
On Demand programmes are not available to record.

#### **NEED TO KNOW**

Your Freesat box needs to be connected to the Internet.



## **Showcase**



The Freesat team's picks of what to watch this week and what's available On Demand.

To visit Showcase, press HOME on your remote control then select Showcase

Use **(**) **(**) **(**) **(**) **(**) Showcase picks. You also also filter the picks using the genre categories.

Select a show and press . You'll then have the option to watch a programme from On Demand, or to set a recording from the On TV section.

#### TOP TIP

Showcase is divided in to two sections.

On the left are programme picks you may have missed and are available to watch On Demand.

On the right are upcoming shows that you may want to watch, or set a recording for.

## Search



With so much great TV to choose from, we've made it easy to find what you're looking for.

Press **SEARCH** on your remote control.

Use the arrows on your remote control  $\Leftrightarrow \Leftrightarrow \emptyset$  to highlight a letter and 9 to select. Results will appear once you've entered three letters.

You can filter the search results by TV or Radio, or by any channel category.

Once you've found the programme you're looking for, highlight it and press . You'll be given all the options available for that specific programme, including

Watch now Or Record

#### TOP TIP

- You can leave out common words from the search, like 'the', 'a', 'an, 'with' 'of'.
- There's no need to include hyphens or apostrophes.
- To clear the search bar and start again, press Back

# **Controlling your children's viewing**



Some programmes after the 9pm watershed may not be suitable for children. By setting a four digit PIN you can lock recordings of these programmes to stop them being played back without your permission.

## Setting your four digit PIN

When you first set up your box, you'll be asked to create your four digit PIN.

You can change your PIN code at any time by selecting HOME, followed by Settings and then Parental Controls.

You can restrict viewing of On Demand programmes in the same way.

This can either be done by following the prompts during the first time installation process, or by visiting Home, Settings then going to General Settings.

#### TOP TIP

Once you've set your PIN, you can also block adult channels from appearing in the TV Guide.

# **Hiding Adult channels**



You can hide all channels classified as 'Adult' from the TV Guide. Press and then select Settings and then

Parental controls

Here you have the option to hide all Adult channels from the TV Guide.

## Turning off all PIN controlled restrictions

You can turn off all PIN restrictions by selecting HOME, followed by Settings and then Parental Controls.

# **Accessibility**

These services make programmes available to visually impaired and hard of hearing customers.

Digital subtitles, audio description and signed programmes are provided by the broadcasters, but whenever they are available Freesat customers can use them.

## **Digital subtitles**

Subtitles are a text version of the dialogue in a programme. Look out for in the TV Guide which indicates they are available for that programme.

To turn subtitles on while watching live TV, press SUB. To turn them off, press SUB again.

## **Audio description**

Audio description is an additional audio service which describes what is happening on screen, including language, movements, actions and expressions. Look out for icon in the TV Guide which indicates they are available for that programme.

To turn audio description on while watching live TV, press AD. To turn it off, press AD again.

## Signed programmes

Some broadcasters provide a signed version of popular programmes for hard of hearing viewers. Look out for the TV Guide which indicates it is a signed programme.

# **Safety Instructions**

### 1. Mains Supply

- a) Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
- b) Disconnect the product from the mains before you start any maintenance or installation procedures.

#### 2. Overloading

Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

### 3. Liquid

The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

## 4. Cleaning

- a) Disconnect the product from the wall outlet before cleaning
- b) Use a light damp cloth (no solvents) to dust the product.

#### 5. Ventilation

- a) The slots on top of the product must be left uncovered to allow proper airflow into the unit.
- b) Do not stand the product on soft furnishings or carpets.
- c) Do not stack electronic equipment on top of the product.

#### 6. Attachments

Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

## 7. Lighting, storm or not in use

Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

#### 8. Extraneous objects

Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

### 9. Replacement of parts

When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitution may result in additional damage to the unit.

#### 10. Connection to the aerial

Disconnect the product from the mains before connecting or disconnecting the cable from the aerial. Failure to do so can damage the aerial.

#### 11. Connection to the TV

Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.

# Safety Instructions

#### 12. Location

- a) Place the product indoors to avoid exposing it to lightning, rain or sun. Do not place it near a radiator or heat register.
- b) We recommend that the product has 10 cm clearance from any other appliances susceptible to electromagnetic influences, such as a TV or a VCR.
- c) Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
- d) If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- e) Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adults, and serious damage to the appliance.

# Warning

# 1. To avoid damage of the power cord or plug

- a) Do not modify or process the power cord or plug arbitrarily.
- b) Do not bend or twist the power cord.
- c) Make sure to disconnect the power cord holding the plug.
- d) Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- e) The mains plug, as a disconnection device, shall remain readily accessible by the user.

#### 2. To avoid electrical shock

- a) Do not open the main body.
- b) Do not insert metal or inflammable objects inside the product.
- c) Do not touch the power plug with wet hands.
- d) Disconnect the power cord in case of lightning.
- e) Unplug power cable to install the antenna cable.

## 3. To avoid damage of product

Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused. Make sure to contact your local product distributor if the product is out of order.

## 4. To avoid damage of the USB hard drive

- a) Do not turn the power off suddenly while the USB hard drive is running.
- b) The company shall not be liable for any corruption of data on USB hard drive caused by carelessness or misuse.

# **Troubleshooting**

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

## 1. The product will not switch on.

- a) Check the main power cable and make sure it is plugged into a suitable power outlet.
- b) Check that the mains supply is switched on.
- c) Connect the power cable to a different power outlet.

## 2. No picture

- a) Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
- b) Make sure that the AV cables is firmly connected to the TV.
- C) Make sure that the antenna cable is properly connected to the product.
- d) Be sure to activate channel search.
- e) Check the brightness level of the TV.
- f) Check if the channel is currently on air.

## 3. Poor picture/sound quality

- a) Make sure there is no mobile phone or microwave oven near the product.
- b) Keep the power cable and the RF cable apart from each other.

Note: If the antenna is covered with snow or the RF is weakened by heavy rain, the condition of the sound and picture may temporarily be poor. However, poor sound and picture quality due to weather conditions cannot be accepted as a malfunction of product.

- c) Change the satellite dish for a larger one as this will increase the signal levels received.
- d) Replace the LNB with a lower noise factor in case the noise factor is too high.
- e) Replace the LNB with a new one in case it is damaged or out of order.
- f) Install the antenna in an obstacle-free place.
- h) Check the signal levels and adjust your antenna if the level is too low. The signal level may be affected by weather conditions.

# **Troubleshooting**

## 4. No or poor sound

- a) Check that your AV cable is connected correctly.
- b) Check the volume levels of your TV set and the product.
- c) Check if the product or TV is on mute.

#### 5. Remote control does not operate.

- a) To control the product, make sure that the STB mode is selected on the remote control.
- b) To control the product, the top end of the remote control should point directly towards the receiving part of the product.
- c) Remove and reinsert the batteries in the remote control.
- d) Replace the batteries in the remote control for a new set.

#### 6. Cannot make reservations.

a) Check that no previous reservations are conflicting with the new reservation.

#### 7. Channel search does not work.

a) Make sure that the antenna setting in the menu is correct.

## 8. Cannot record progammes.

- a) Check if the USB hard drive is connected for recording purpose.
- b) The USB hard drive is full. Delete unnecessary programmes and make space for new recording.
- c) Check if the recording conflicts with another channel. Stop the current recording or wait until the recording is finished.
- d) Check that the product is switched on when the recording starts.

- 1. Select the button on the remote control. The button will blink once.
- 2. Keep pressing the button for 3 seconds until the button lights on.
- 3. Enter the 3-digit code. Every time a number is entered, the button will blink. When the third digit is entered, the button will blink twice.
- 4. If a valid 3-digit code is entered, the product will power off.
- 5. Press the button and the mode button will blink three times. The setup is complete.

6. If the product does not power off, repeat the instruction from 3 to 5.

#### TOP TIP

When no code is entered for one minute, the universal setting mode will switch to normal mode.

Try several setting codes and select the code that has the most functions.

#### **Remote Control Function List**

The keys on the remote control function as in the list below. Some keys may not function depending on the product.

Button	TV	Button	TV
STANDBY	POWER	Exit	EXIT
TV			VOLUME UP
STB			VOLUME DOWN
RECORDINGS		Home	MENU
MUTE	MUTE	I	INFO
TEXT	TEXT	P ^	PAGE UP
H4	TEXT MIX	Pv	PAGE DOWN
	PIP INPUT	RED	RED
<b>&gt;&gt;</b>	TEXT OFF,	GREEN	GREEN
44	PIP OFF	YELLOW	YELLOW
•	TEXT EXPAND	BLUE	BLUE
<b>&gt;&gt;</b>	PIP	1	1
R	PIP MOVE	2	2
II	TEXT HOLD	3	3
List		4	4
Search		5	5
TV Guide	GUIDE	6	6
ОК	OK	7	7
UP	UP	8	8
LEFT	LEFT	9	9
RIGHT	RIGHT	0	0
DOWN	DOWN	SUB	SUBTITLE
Back	LAST	AD	

#### **TV Code List**

Brand	Code
A.R. Systems	102, 006, 080, 066
Accent	006
Acer	261, 278, 305
Acoustic Solutions	210, 312, 324, 370, 386, 428, 477
Acura	002
ADL	224
Admiral	043, 014, 015, 023
Advent	192, 342
Adyson	034, 035
AEG	211, 256, 327, 489
Agashi	043, 034, 035
AGB	094
Agef	014
Aiko	006, 061, 043, 074, 002, 004, 011, 028, 034, 035, 065
Aim	006, 171
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Metz         006, 134, 030, 108, 014, 028, 063           MGA         027, 442           Micromaxx         006, 134, 204, 121, 172, 256, 456           Microspot         343           Microstar         172           Mikomi         204, 153, 210           Minato         006           Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 017, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Mercury	006, 002
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Micromaxx     006, 134, 204, 121, 172, 256, 456       Microspot     343       Microstar     172       Mikomi     204, 153, 210       Minato     006       Minerva     030, 087, 019, 010, 028, 094, 096, 101       Minoka     006, 071       Mirai     369, 423, 482       Mirror     440       Mistral Electronics     029       Mitsubishi     327       Mitsubishi     102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311       Mivar     034, 035, 047, 048, 094, 112	Metz	006, 134, 030, 108, 014 ,028, 063 096, 101, 211, 318
Microspot         343           Microstar         172           Mikomi         204, 153, 210           Minato         006           Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 017, 014, 015, 017, 019, 014, 015, 017, 019, 014, 015, 017, 019, 014, 015, 017, 019, 014, 015, 017, 018, 019, 014, 015, 017, 018, 019, 014, 015, 017, 018, 019, 014, 015, 017, 018, 018, 019, 014, 015, 018, 019, 014, 015, 018, 019, 014, 015, 018, 018, 018, 019, 014, 015, 018, 018, 018, 018, 018, 018, 018, 018	MGA	027, 442
Microstar         172           Mikomi         204, 153, 210           Minato         006           Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Micromaxx	006, 134, 204, 121, 172, 256, 456
Mikomi         204, 153, 210           Minato         006           Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Microspot	343
Minato         006           Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Microstar	172
Minerva         030, 087, 019, 010, 028, 094, 096, 101           Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Mikomi	204, 153, 210
Minoka         006, 071           Mirai         369, 423, 482           Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Minato	006
Mirai     369, 423, 482       Mirror     440       Mistral Electronics     029       Mitsai     327       Mitsubishi     102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311       Mivar     034, 035, 047, 048, 094, 112	Minerva	030, 087, 019, 010, 028, 094, 096, 101
Mirror         440           Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Minoka	006, 071
Mistral Electronics         029           Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Mirai	369, 423, 482
Mitsai         327           Mitsubishi         102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311           Mivar         034, 035, 047, 048, 094, 112	Mirror	440
Mitsubishi 102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311  Mivar 034, 035, 047, 048, 094, 112	Mistral Electronics	029
Mivar 034, 035, 047, 048, 094, 112	Mitsai	327
	Mitsubishi	102, 006, 204, 005, 019, 014, 015, 027, 093, 096, 191, 311
Mogen 374, 410	Mivar	034, 035, 047, 048, 094, 112
	Mogen	374, 410

Monaco         002           Morgan's         006           Motorola         015           MTC         064, 009, 034, 056, 093           MTEC         044           MTlogic         144, 473           Multibroadcast         029           Multitec         006, 134, 204, 086, 327           Murphy         017, 023, 034           Murphy         017, 023, 034           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 066, 140, 239, 379           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           New Tech         102, 006, 144, 113, 036, 002 <th></th> <th></th>		
Motorola         015           MTC         064, 009, 034, 056, 093           MTEC         044           MTlogic         144, 473           Multibroadcast         029           Multitech         006, 134, 204, 086, 327           Murphy         017, 023, 034           Murphy         017, 023, 034           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Narita         451           NAT         038           National         038           NEC         005, 002, 003, 025, 033, 025, 035, 040, 044, 028, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 065, 140, 239, 379           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neutiunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036	Monaco	002
MTC         064, 009, 034, 056, 093           MTEC         044           MTIogic         144, 473           Multibroadcast         029           Multitec         006, 134, 204, 086, 327           Multitech         006, 086, 043, 064, 002, 034, 034           Murphy         017, 023, 034           Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           National         038           NEC         005, 002, 003, 025, 033, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 066, 140, 239, 379           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neutiunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054 <td>Morgan's</td> <td>006</td>	Morgan's	006
MTEC         044           MTIogic         144, 473           Multibroadcast         029           Multitec         006, 134, 204, 086, 327           Multitech         036, 086, 043, 064, 002, 034, 035           Murphy         017, 023, 034           Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 033, 025, 035, 040, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 066, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neutink         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Next	Motorola	015
MTlogic         144, 473           Multibroadcast         029           Multitec         006, 134, 204, 086, 327           Multitech         006, 086, 043, 064, 002, 034, 035           Murphy         017, 023, 034           Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           New Tech         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN	MTC	064, 009, 034, 056, 093
Multibroadcast         029           Multitec         006, 134, 204, 086, 327           Multitech         006, 086, 043, 064, 002, 034, 035           Murphy         017, 023, 034           Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           NewToth         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170	MTEC	044
Multitec         006, 134, 204, 086, 327           Multitech         006, 086, 043, 064, 002, 034, 035           Murphy         017, 023, 034           Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           NEC         049, 066, 140, 239, 379           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	MTlogic	144, 473
Multitech       006, 086, 043, 064, 002, 034, 035         Murphy       017, 023, 034         Musikland       036         Mx Onda       298, 376         MyCom       271         Myrica       369         Myryad       102         NAD       006, 061, 190         Naiko       006, 111, 157, 451         Narita       451         NAT       038         National       038         NEC       005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379         NEC       005, 0070, 072, 101         NEI       006, 204, 065         Neon       237, 389         Neovia       190, 192, 220, 260, 267, 268, 271, 273, 449, 454         Netsat       006         NetTV       160         Neufunk       102, 006, 144, 113, 036, 002         New Tech       102, 006, 002, 035, 054         New World       036         Nextier       338         NFREN       170         Nicam       097	Multibroadcast	029
Murphy       017, 023, 034         Musikland       036         Mx Onda       298, 376         MyCom       271         Myrica       369         Myryad       102         NAD       006, 061, 190         Naiko       006, 111, 157, 451         Nakimura       006, 066         Narita       451         NAT       038         National       038         NEC       005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 056, 070, 072, 101         NEI       006, 204, 065         Neon       237, 389         Neovia       190, 192, 220, 260, 267, 268, 271, 273, 449, 454         Nesx       389         Netsat       006         NetTV       160         Neufunk       102, 006, 144, 113, 036, 002         New Tech       102, 006, 002, 035, 054         New World       036         Nextier       338         NFREN       170         Nicam       097	Multitec	006, 134, 204, 086, 327
Musikland         036           Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           NEC         005, 0070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Multitech	006, 086, 043, 064, 002, 034, 035
Mx Onda         298, 376           MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Murphy	017, 023, 034
MyCom         271           Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379, 040, 049, 066, 140, 239, 379, 040, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Musikland	036
Myrica         369           Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Mx Onda	298, 376
Myryad         102           NAD         006, 061, 190           Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	MyCom	271
NAD         006, 061, 190           Naiko         006, 066           Narita         451           NAT         038           National         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Myrica	369
Naiko         006, 111, 157, 451           Nakimura         006, 066           Narita         451           NAT         038           National         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Myryad	102
Nakimura         006, 066           Narita         451           NAT         038           National         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379, 040, 056, 070, 072, 101           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	NAD	006, 061, 190
Narita	Naiko	006, 111, 157, 451
NAT         038           National         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Nakimura	006, 066
National         038           NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Narita	451
NEC         005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379           Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	NAT	038
Neckermann         102, 006, 064, 014, 028, 049, 056, 070, 072, 101           NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	National	038
NEI         006, 204, 065           Neon         237, 389           Neovia         190, 192, 220, 260, 267, 268, 271, 273, 449, 454           Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	NEC	005, 002, 003, 025, 035, 040, 049, 066, 140, 239, 379
Neon     237, 389       Neovia     190, 192, 220, 260, 267, 268, 271, 273, 449, 454       Nesx     389       Netsat     006       NetTV     160       Neufunk     102, 006, 144, 113, 036, 002       New Tech     102, 006, 002, 035, 054       New World     036       Nextier     338       NFREN     170       Nicam     097	Neckermann	102, 006, 064, 014, 028, 049, 056, 070, 072, 101
Neovia     190, 192, 220, 260, 267, 268, 271, 273, 449, 454       Nesx     389       Netsat     006       NetTV     160       Neufunk     102, 006, 144, 113, 036, 002       New Tech     102, 006, 002, 035, 054       New World     036       Nextier     338       NFREN     170       Nicam     097	NEI	006, 204, 065
Nesx         389           Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Neon	237, 389
Netsat         006           NetTV         160           Neufunk         102, 006, 144, 113, 036, 002           New Tech         102, 006, 002, 035, 054           New World         036           Nextier         338           NFREN         170           Nicam         097	Neovia	190, 192, 220, 260, 267, 268, 271, 273, 449, 454
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If the code for your equipment is not listed, visit the following website and see MDB1.3 for a complete list of supported codes.

(http://www.humaxdigital.com/
global/support/rcucodelist.asp)

### **Specification**

#### **Power Supply**

Power Type: External Adaptor

Power Consumption: 12V == 4.0A (Standby & Network standby: under 0.5W)

Input Voltage: 100-240V ~ 50/60Hz

#### **Physical Specification**

Size (W x H x D): 280 x 48 x 200 (mm)

Weight: 1.03kg

#### 'WEEE' Instructions



This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

#### Domestic users:

Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.

#### **Business users:**

Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

#### Trademarks

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- HDMI, the HDMI Logo, and High-Definition Multimedia interface are trademarks and registered trademarks of HDMI Licensing LLC.

Note: The model name is located on the bottom of the product.

### **Specification**

#### SIMPLIFIED EU DECLARATION OF CONFORMITY

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, HUMAX declares that the radio equipment type HDR-1100S is in compliance with Directive 2014/53/EU and relevant directives.

The full text of the EU declaration of conformity is available at the following internet address:

- United Kingdom: http://uk.humaxdigital.com/ec
- Germany: http://de.humaxdigital.com/ec

#### Wireless equipment use information

1. In France

Authorization for outdoor usage is limited to Channels 1~7 (2.400 ~ 2.454 GHz).

2. In Italy

For outdoor usage a general authorization is required from the national spectrum authorities.

3. In Latvia

For outdoor usage an authorization is required from the Electronic Communications Office.

- 4.5GHz Radio Local Area Networks (RLANs) Band only indoor use.
- 5. This equipment may be operated in all European Union member countries and Turkey.

Product RF specifications	
Frequency mode (band) Wi-Fi b/g/n (20/40MHz)	
RF output power	Maximum power level is not exceeding 20dBm
Frequency range (MHz)	2.4GHz

#### And

Frequency mode (band)	Wi-Fi a, n(20/40MHz), ac(20/40/80MHz)
RF output power (EIRP)	Maximum power level is not exceeding 23dBm (for TPC) / 20dBm (for without TPC)
Frequency range (MHz)	5150MHz to 5350MHz

#### And

Frequency mode (band)	Wi-Fi a, n(20/40MHz), ac(20/40/80MHz)
RF output power (EiRP)	Maximum power level is not exceeding 14dBm
Frequency range (MHz)	5725MHz to 5875MHz

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