

Labgear

HDSFC 2

Combined HD Satellite & Terrestrial Receiver

SET-UP GUIDE



Please read carefully before use

Customer Careline: 08457 573 479

Local rate - UK Only

Technical Support: www.labgear.co.uk

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Important Safety Instructions for your HD Satellite Receiver (HDSFC2)

Warning: To avoid the risk of electric shock, do not remove the cover or back.

Your HDSFC2 contains no user-serviceable parts. Your HDSFC2 should only be serviced by a qualified engineer.

Warning: To prevent fire and electric shocks, do not expose the unit to rain or moisture.

Do not expose the mains adaptor and HDSFC2 to water (dripping or splashing) and do not place liquid filled objects, such as vases, on top of the unit.

Keep your HDSFC2 away from direct sunlight and heat sources such as radiators or stoves.

Slots and openings on the unit are provided for ventilation do not block them. Your HDSFC2 should be positioned on a stable firm surface out of harms way.

Only use the AC adaptor included with Digital Set Top Box. Using any other adaptor will void your warranty.

Unplug the power from the outlet when the unit is not in use.

Please dispose of used batteries according to your local authority guidelines.

WARNING: The batteries must not be exposed to direct sunlight or other heat sources.

WARNING: Only use attachments/accessories specified or provided by the manufacturer, Power is supplied to your HDSFC2 via the AC adaptor, to disconnect, unplug the AC adaptor. Make sure the AC adaptor is positioned so that it can be easily unplugged.



If exposed to electrostatic charges such as could occur during a thunderstorm, your HDSFC2 may malfunction and you may need to re-enter your settings

Main Features

- DVB-T and DVB-S2 Combo Receiver, allowing simultaneous access to DVB-T and DVB-S2/S channels
- USB 2.0 socket for PVR, TIMESHIFT, software upgrade and media file playback
- SD DVB-T and HD DVB-S2/S compliant, supporting full HD 1080p on media playback
- Supports SD/HD MPEG2 and MPEG4 AVC H.264
- SCPC & MCPC receivable from C/Ku band satellites
- DiSEqC 1.0/1.1/1.2/1.3 (USALS) supported
- Supports Universal LNB, NIT search
- Auto and manually scans all available TV and radio channels
- 7-day EPG function for supporting satellites
- Multi-language menu, subtitles and audio output supported
- Aspect ratios 16:9, 4:3, Pan & Scan and letter box
- Teletext via OSD & VBI
- Parental lock function
- Easy to use and attractive menu
- Supports OTA software upgrade
- Supports playback of a range of different media files including:
Music: MP3,WMA / Photo: JPEG, BMP, PNG /
Video: MKV, AVI, DIVX, XVID, MOV, VOB, FLV, DAT, MPEG, MPG, MP4 and TS

1.3 The Satellite Dish and Aerial

Your dish should be properly installed and azimuth and elevation must be precisely set up.

The most popular satellite choice for the UK is Astra-2 at 28.2° East: showing Free English TV channels BBC, ITV and Channel 4 including HD channels and lots of music and movie channels like the BBC interactive channels for seven major news, sports and music events.

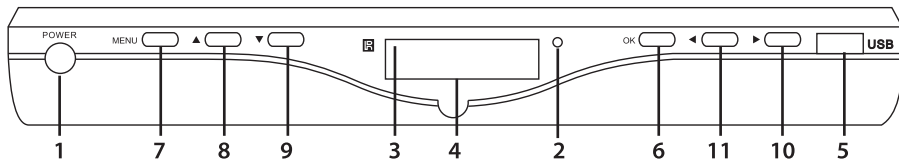
Go to dishpointer.com, select the satellite you want and enter your town name and or latitude and longitude to find the compass bearing, azimuth and elevation for your dish.

This unit works with 1.2 & 1.3 DiSEqC dish motors if you should want to install a motorised dish at any time. Ask your dealer for further information.

To receive terrestrial TV signals use a wideband aerial suitable for receiving digital terrestrial signals. Make sure the aerial is in good condition and safely mounted. For best results aerials should be mounted on an outdoor aerial mast and pointed in the direction of the nearest transmitter making sure they are in a position where the transmitter signal will not be obstructed by nearby trees and buildings. If you are in any doubt about the direction in which the aerial should be pointing or the orientation of the aerial (horizontal for main transmitter, vertical for relay transmitter) check your neighbours' aerials, or your local transmitter by visiting www.digitaluk.co.uk. If mounting on an existing mast check that the mast is in good condition and firmly fixed.

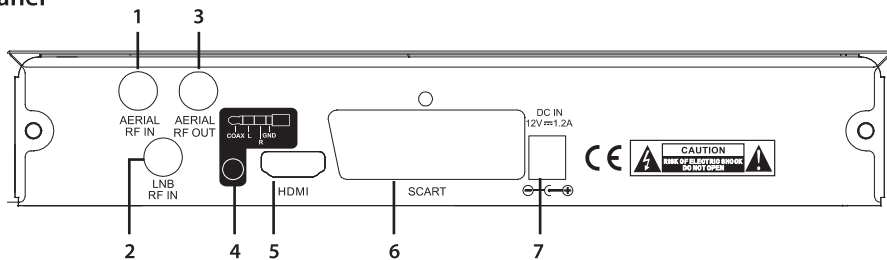
2.1 Front Panel Layout and 2.2 Rear Panel Layout

Front Panel



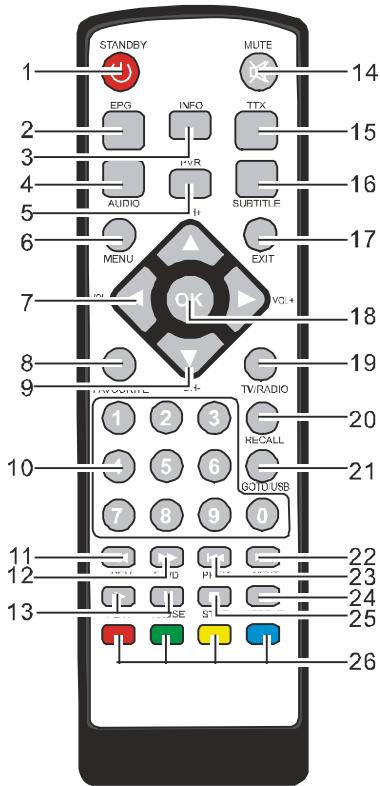
Name	Function
1.	Press to switch your HDSFC2 on and off
2. LED	RED = Standby, GREEN = On
3. SENSOR	Infrared remote sensor
4. LED Display	Displays channel number
5. USB Socket	Data input from USB storage devices
6. OK Button	Press to select the highlighted item
7. Menu	Press to show menu on screen
8. CH+	Press to select the next channel
9. CH-	Press to select the previous channel
10. VOL+	Press to increase the volume
11. VOL-	Press to reduce the volume

Rear Panel



Name	Function
1. AERIAL RF IN	Coax connection to aerial download
2. LNB RF IN	F connection to satellite LNB cable
3. AERIAL RF OUT	RF loop through output to another receiver
4. S/PDIF COAXIAL	3.5mm socket for digital audio output connects to TV or HiFi
5. HDMI	Connects to the TV using an HDMI cable for HD viewing (720p, 1080i & 1080p)
6. TV SCART	SCART output to TV for standard video/audio output
7. DC IN	12V DC IN socket connection to power adaptor

2.3 Remote Control Functions

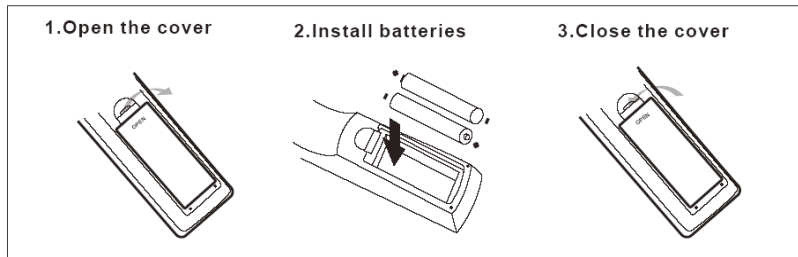


No.	Key	Function
1		Standby ON/OFF
2	EPG	Show EPG (Electronic Programme Guide)
3	INFO	To display current programme information
4	AUDIO	Enter audio settings menu
5	PVR	Record a TV program
6	MENU	To enter the main menu
7		To increase / reduce volume (when Menu is not displayed), or move cursor left / right
8	FAVORITE	To display the Favorites list
9		To increase / reduce volume (when Menu is not displayed), or move cursor left / right
10	0-9	To select a channel by direct number input
11		Rewind recorded programme
12		Forward search through recorded programme
13		PLAY/PAUSE recorded programme
14		Mutes the sound
15	TTX	Shows current service's Teletext OSD if available
16	SUBTITLE	Shows the list of subtitled languages the current channel supports
17	EXIT	To return to previous screen / menu
18	OK	To confirm the selected item in a menu screen or show the Channel list
19	TV/RADIO	To switch between TV and Radio channels
20	RECALL	Return to the last selected menu
21	GOTO	Goes to list of recordings on connected USB drive
22	NEXT	Enter audio settings menu
23	PREV	To display current programme information
24	REPEAT	Switches Video format mode
25	STOP	Shows the list of subtitled languages the current channel supports
26		Colour buttons operate TEXT and Menu functions

2.3 Installing the Remote Control Batteries

Installing the Batteries

Remove the battery cover from the remote control and put 2 x AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way to install the batteries.



Using the Remote Control

To use the remote control, point it towards the front of your. The remote control has a range of up to 7 metres from your HDSFC2 at an angle of up to 60 degrees. The remote control will not operate if its path is blocked.

Caution:

1. Keep batteries out of children's reach.
2. Don't attempt to recharge, short-circuit, disassemble, heat or throw the batteries into a fire.
3. Always replace both batteries at the same time. Never mix new and old batteries or batteries of a different type.
4. If you don't intend to use the remote controller for an extended period, remove the batteries to prevent possible leakage and corrosion.
5. Do not drop, apply shock or step on the remote control.
6. Do not spill water on the remote control.

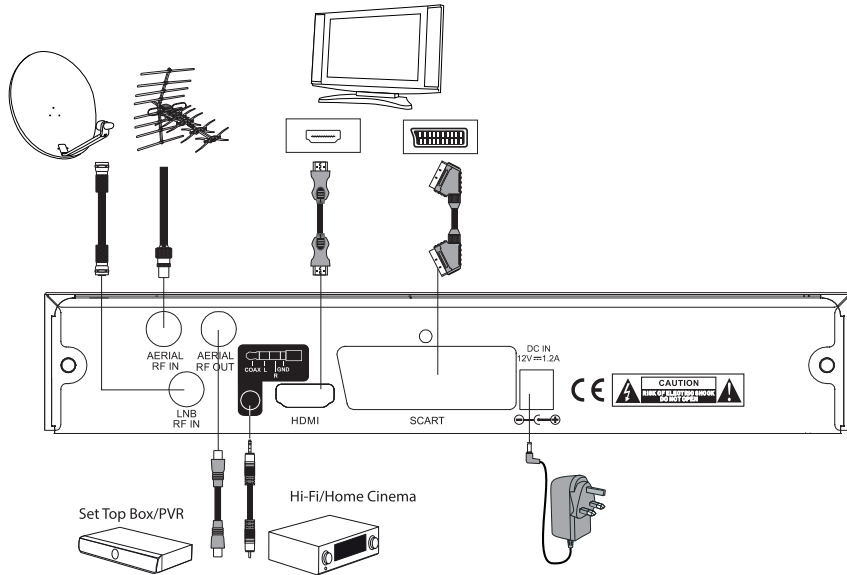
Notes: If the receiver does not operate when operating the remote control from a close range, you need to replace the batteries.

3 Connections

This section explains the installation of your HDSFC2 it is also recommended that you consult the manuals supplied with equipment you are connecting your HDSFC2 to.

3.1 Connect to the TV using an HDMI or SCART lead (not supplied).

1. Connect the satellite coaxial download from the LNB situated on the dish to the LNB IN connector.
2. Connect the aerial coaxial download from the aerial to the AERIAL RF IN connector.
3. Connect the satellite receiver to the TV using either an HDMI or SCART cable.
4. Plug the power adaptor into a mains socket and connect to the DC socket on the back of your combo receiver.



3.2 Satellite dish connections

Choose which satellite you want to receive your signals from, for the UK this will usually be Astra 2 28.2 East, use www.dishpointer.com, to find the compass bearing, azimuth and elevation for your dish or ask a CAI registered installer to install your dish. Once the dish is installed. Connect one end of the coaxial cable to your LNB and then attach the other end of the coaxial cable directly to the LNB RF IN connector of your receiver.

For multiple satellite connections:

Ignore this section if you are using a standard fixed dish with a single LNB

If you want to watch programs from more than one satellite (For example from Astra and Hot Bird) using fixed dish/dishes and a DiSEqC 1.0 switch. Connect both the LNB's with coax cables to the IN connectors on the DiSEqC 1.0 switch. Connect the OUT connector on the DiSEqC 1.0 switch to the LNB IN connector at the back of your receiver. Alternatively you can watch programmes from multiple satellites is by mounting a dish to a motorized DiSEqC 1.2 positioner. Connect the OUT connector of the motor/positioner via a coaxial download to the LNB IN connector at the back of your receiver.

3.3 Aerial connections

For best results aerials should be mounted on an outdoor aerial mast and pointed in the direction of the nearest transmitter making sure they are in a position where the transmitter signal will not be obstructed by nearby trees and buildings. If you are in any doubt about the direction in which the aerial should be pointing or the orientation of the aerial (horizontal for main transmitter, vertical for relay transmitter) check your neighbours' aerials, or your local transmitter by visiting www.digital.co.uk if mounting on an existing mast check that the mast is in good condition and firmly fixed.

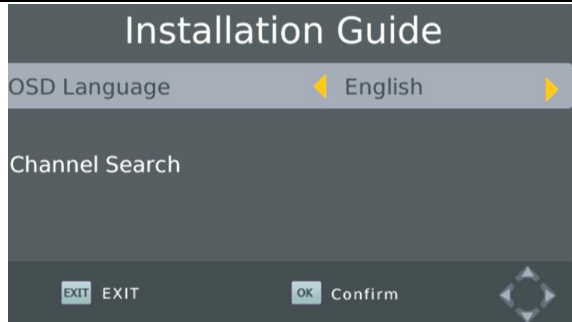
3.4 Switching on the unit for the first time

Ensure all connections have been made as shown in the diagram above. To switch on your HDSFC2, press the Power key on your HDSFC2.

4 First Time Installation

After all connections have been made properly, switch on your TV and make sure the receiver is connected to the mains via the power adaptor. Press the Power key to switch on the receiver. Satellite channels should be pre-loaded and the screen below should appear (go to 5.1 below). If there are no channels loaded the Installation Guide menu shown to the right will appear.

1. Select [OSD Language] and press the ◀/▶ key to select a language.
2. Select [Dish Setup] and press the ◀/▶ or OK key to enter Dish Setup.



5 Basic Operation

5.1 Program Management Settings

Press the MENU key and select [Program]. The Menu provides options to adjust the Program Management Settings. Use the ▲/▼ keys to select an option and press OK or ◀/▶ keys to change setting. Press the EXIT key to exit the Menu.

5.2 Program Edit

To edit your program preferences (lock, skip, favourite, move or delete), you will need to enter the Program Edit Menu. This Menu requires a password to access.

Enter the default password '000000'.

5.2.1 Setting Favourite Channels

You can create a short list of favourites

To Set Favourite TV or Radio program:

1. Select the preferred channel then press the FAVOURITE key. A list of categories appears use ◀/▶ keys to select a category and press OK. A star symbol will appear next to the channel to indicate it is a favourite.
2. Repeat the previous steps to select more Favourite channels.
3. To confirm and exit the Menu, press the EXIT key.

To Disable Favourite status for a TV or Radio channel: Press the Favorite key, move the cursor to highlight a channel with a star symbol, and select "disable" on screen.

To View a Favorite Channel:

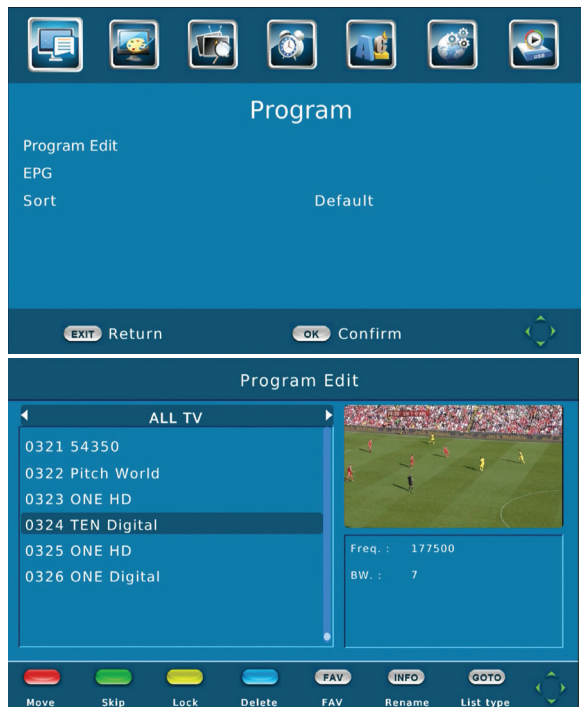
1. Press the Favorite key and the Favorite Menu will appear use ◀/▶ keys to change categories.
2. Press the ▲/▼ keys to highlight a favourite Channel in a category.
3. Press the OK key to select a highlighted channel.

To Delete a TV or Radio Channel: Enter Program Edit.

1. Select the channel then press the BLUE key, a message will appear "Do you want to delete this channel?". Press OK key to delete the channel.
2. Repeat the previous steps to select more channels to delete.

To Skip TV or Radio Channel: Enter Program Edit.

1. Select the channel you would like to skip and press the GREEN key, a skip symbol will appear. The channel is marked as skipped.
2. Repeat the previous steps to select more channels.
3. To confirm and exit the menu, press EXIT key.
To unmark a skipped TV or Radio channel: Press the GREEN key on the skipped channel.



5 Basic Operation - continued

To Move a TV or Radio Channel: Enter Program Edit.

1. Select the preferred channel then press the RED key. A move symbol will appear.
2. Press the ▲/▼ keys to select the position you want to move the channel to.
3. Press the OK key to confirm. 4. Repeat the above steps to move more channels.

Locking a Channel: Enter Program Edit.

You can lock selected channels to prevent viewing:

1. Select the preferred channel then press the YELLOW key. You then need to enter your password, a padlock symbol will appear next to the channel. The channel is now locked.
2. Repeat the previous steps to select more channels.
3. To confirm and exit the menu, press the EXIT key.
4. Press the YELLOW key to unlock a selected locked channel.
5. To view the locked channel you will be requested to enter your password (the default password '000000' or your last set password).

5.3 EPG (Electronic channel guide)

The EPG is an on-screen TV guide that shows scheduled channels seven days in advance for every tuned channel on supporting satellites. Press the EPG key on the Remote Control to access the guide. You can also schedule recordings in the EPG - see 13.4 Scheduling a PVR recording pages 16-17.

You can use the ▲/▼ keys to select a channel.

If there is more than one page of information, use the BLUE key for page up and the YELLOW key for page down.

The following criteria can be used to sort channels:
[By Default] - Sort the channels by default
[By Encrypt] - Sort the channels into free channels and encrypted channels
[By Freq] - Sort the channels by frequency
[Service Name] - Sort the channels according to the name of the stations

5.4 Screen Settings

Press the MENU key then select [Picture]. This Menu lists screen setting options. Press ▲/▼ keys to select an option and press ◀/▶ keys to adjust the setting. Press the EXIT key to exit the menu.

Aspect Ratio: Display format options are 4:3 full, 4:3 Pan & Scan, 4:3 Letter Box, 16:9 Wide Screen or Auto for optimum display when watching TV.

Resolution: If the picture does not appear correctly, adjust the resolution. The most common HDMI resolutions are listed:

[480i] & [480P]: for SD NTSC system TV.

[576i] & [576P]: for SD PAL system TV.

[720P] & [1080i]: for HD NTSC or PAL system TV.

TV format: If the picture does not appear correctly, you need to change the setting.

This should match the most common setting for TVs in your country.

[NTSC]: for NTSC system TV.

[PAL]: for PAL system TV used in UK and Ireland.

Video output:

[CVBS]: CVBS output.

[RGB]: RGB output.

[YPbPr]: YPbPr output.



5 Basic Operation - continued

5.5 Accessing channels from different sources

1. When watching TV channels, press the OK Key - for "All TV List" menu - then press "GOTO" - "List type" in bottom bar. "All TV List", "Terrestrial" and Satellite names of satellites (that have been searched for TV channels) are listed.

2. You can press the ▲/▼ keys to choose a list type and press OK to confirm. Relevant channels are then listed.



5.6 Channel Search

Press the MENU key and select [Search Channel]. This Menu lists channel search options. Use the ▲/▼ keys to select an option and press the ◀/▶ keys to adjust the setting. Press the Exit key to exit the Menu.

Terrestrial Channel Search: This option selects terrestrial TV mode only.

Satellite Channel Search: This option selects satellite mode only.

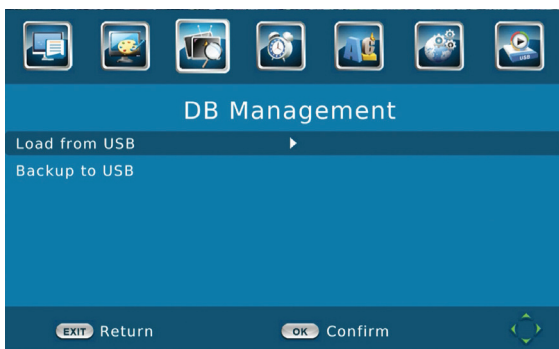


5.7 DB Management

You can manage the channel data here. Options are:

Load from USB: Load the channel list to the combo box from a USB device.

Backup to USB: To copy the channel list from the combo box to a USB device to pre-install.

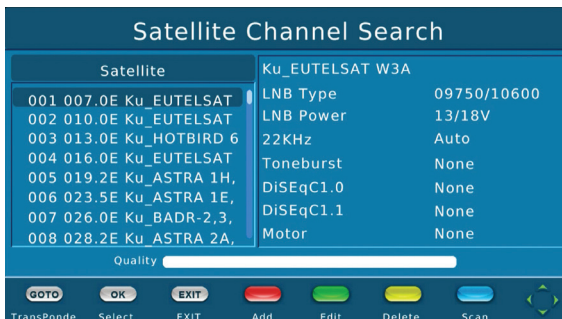


6 Satellite Setup

Choose satellites by using the ▲/▼ keys, you can choose one or more, press the OK key to confirm. Note: Only select satellites which your dish can receive a good signal from, when you change the selected satellite, you may need to adjust the dish.

6.1 Transponder

Press GOTO key you will enter the screen below. This Menu allows you to edit the various options for the transponder (TP) settings and specifications. In this menu, press GOTO key to return to the satellite list; use the ▲/▼ keys move the cursor on a transponder, then press OK to select a transponder, you can select more transponders in this way; press the EXIT key to exit.



Edit a transponder: Select a transponder then press the green key, you can edit the No., frequency, symbol rate and polarity of the transponder.

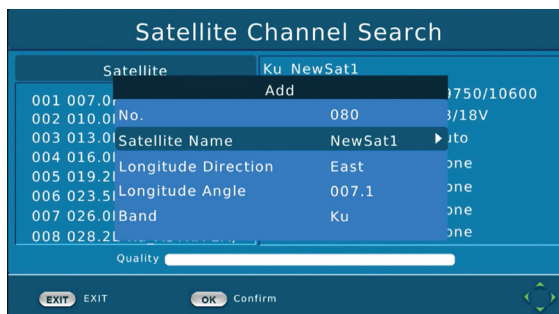
Add a transponder: Press the red key, then input the No., frequency, symbol rate and polarity of the transponder.

Delete a transponder: Select a transponder then press the yellow key, then a dialogue box will appear, press ok to delete and press EXIT to exit.

Scan a transponder: Select a transponder then press the blue key, set up the channel search and press ok.

6.2 Edit a satellite

Select a satellite then press the green key. You can change the No., name, Longitude Direction, Longitude Angle and the Band information of the satellite.



6.3 Add a satellite

Press the red key. Then input the No., name, Longitude Direction, Longitude Angle and the Band information of the satellite.

6.4 Delete a satellite

Select a satellite then press the yellow key, a dialogue box will appear, press OK to delete and press EXIT to exit.

After satellite setup, press the ► key to make other dish settings. Press ▲/▼ keys to select an option.

LNB Type: Press the ▲/▼ keys to select the LNB type which matches the one used in the dish. When you choose User Single and User Dual, please input the frequencies of the LNB used.

LNB Power: Set the LNB power as appropriate using the left or right key.

22KHz: Set 22KHz option as appropriate using the ◀/▶ keys.

Toneburst: Set the Toneburst as appropriate using the ◀/▶ keys.

DiSeqC1.0: If your receiver is connected to a 4 port switch, select the port (LNB1-LNB4) using the ◀/▶ keys.

DiSeqC1.1: If your receiver is connected to a 16 port switch, select the port (LNB1-LNB16) using the ◀/▶ keys.

7 Motorised Dish Setup

This menu is used to set up the USALS system on your set top box. If you have a USALS motorized system, you can set the dish position by setting in the USALS menu.

DiSEqC1.3: Select DiSEqC1.3 in Motor, press ▲/▼ or OK key, the screen opposite will appear, you can set position of the dish in this menu.

7.1.1 Move Auto: Select Move Auto, press ◀key, the dish will move West, press ▶key, the dish will move East, In this mode, the dish will move automatically, when the receiver receives TV signal from the dish, it will stop. You can also choose stop by pressing the ◀or ▶key.

7.1.2 Move Continue: Select Move Continue, press ◀key, the dish will move West, press ▶key, the dish will move East, In this mode, the dish will move continuously, the dish will stop moving only when you choose stop.

7.1.3 Move Step: Moves the dish step by step to find the optimum position to receive a satellite's signal, you can adjust the step size in increments from 1-9 by using the numeric keys. Select Move step, press the numeric keys to change the step size, then press ◀key, the dish will move West for one step, press ▶key, the dish will move East for one step, you can move the dish for more steps by pressing the left or right key.

7.1.4 Store Position: Stores the current position of the dish.

7.1.5 Goto Position: Moves the dish to the last stored position

7.1.6 Goto Reference: Moves the dish to the original position.

7.1.7 Goto X: Moves the dish to the longitude and latitude you set.

Select DiSEqC1.3 in Motor, press the red key, the screen opposite will appear, you can then set the limits for dish movement in this menu.

7.2 Set Limit

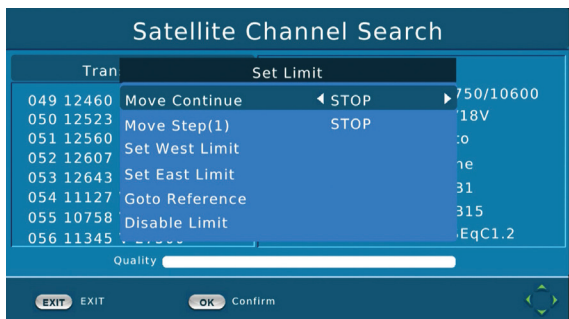
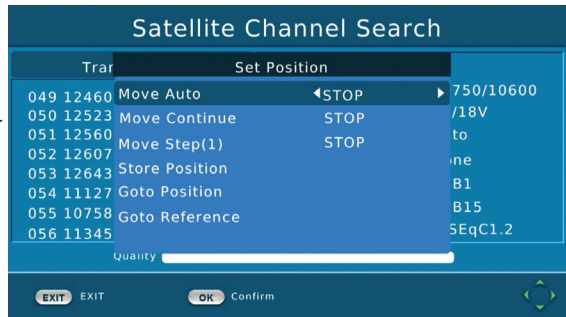
7.2.1 Move Continue: Select Move Continue, press ◀key, the dish will move west, press ▶key, the dish will move east, In this mode, the dish will move continuously, the dish will stop moving only when you choose stop.

7.2.2 Move Step: Moves the dish step by step to adjust to get the best place to receive TV signal, you can adjust the step size in increments from 1-9 by using the numeric keys.

7.2.3 Set West/East Limit: In some locations, the dish can only move safely within a certain range, and therefore it is necessary to set limits to the dishes movement. When the dish reaches an obstruction you need to set this position as the limit.

7.2.4 Goto Reference: Returns the dish to the original position.

7.2.5 Disable Limit: Cancels the limit that has been set.



7 Motorised Dish Setup

Select DiSEqC1.3 in Motor, press the green key, the screen to the right will appear.

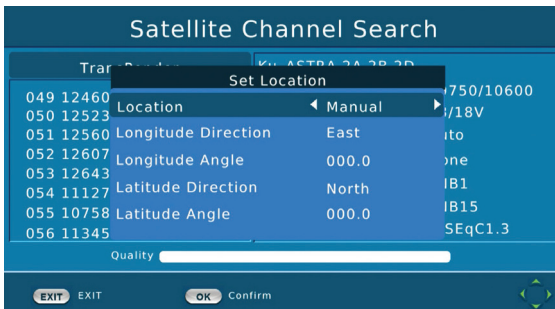
7.3 Set Location

7.3.1 Preset Locations

Use this option if you live in one of the cities listed. Choose the city, the menu will show the longitude and latitude information for the selected satellite, you can move the dish to this position by selecting Goto X in the Set Position Menu.

7.3.2 Manual

Select a satellite choose Manual in the Location. Then set your location using number keys. Use the ◀▶ key to set the Longitude Direction and Latitude Direction, then use the numeric keys to input the Longitude Angle and Latitude Angle. You can move the dish to this position by selecting Goto X in the Set Position Menu. To find this information go to www.dtg.org.uk choose a satellite and enter your postcode.



8 Searching for Channels

After completing dish setup, to scan for channels from selected satellites, press the blue key the screen to the right will appear which allows you to set your search criteria:

8.1 Scan mode

Default: Scans the preset transponders in the selected satellites.

Blind Scan: Searches for channels in Blind Scan mode.

Network: Scans all the transponders using the network information from the satellite stream.

8.2 Crypted

FTA Channels: Search free channels only.

All Channels: Search all channels, including free and encrypted.

8.3 Service Type

All: Search all the channels, including radio and TV channels.

DTV: Search TV channels only.

Radio: Search radio channels only.



9 Setting Time

Press the MENU key then select [Time]. The Menu provides options to adjust the time settings. Press the ▲/▼ key to select an option and press the ◀▶ key to adjust the settings. Press the EXIT key to exit the menu.

Time Auto: Select auto or manual time adjustments.

Time Zone: Select the correct Time Zone.

Date: Input the right date using the numeric keys when Time Auto is off.

Time: Input the right time using the numeric keys when Time Auto is off.

Sleep: The receiver enters standby automatically when not operated for a period of time.

You can set the sleep time here or select Off.



10 Language Options

Press the MENU button and select [Option]. The menu provides options to select the **OSD Language**, **Subtitle Language**, **Audio Language** and **Digital Audio**. Select an option and use ◀/▶ keys to make your selection. Press the EXIT key to exit the Menu.

OSD Language: Select an OSD language
Audio Language: Select the audio language for TV channels. If the language is not available, the default language will be selected
Subtitle Language: Select the language for subtitles.
Digital Audio: Options are PCM, RAW and Off-PCM is usually used for output to TV and RAW for Home Cinema systems



11 System Settings

Press the MENU key and select [System]. The menu provides options to change system settings. Press the ▲/▼ keys to select an option and press the ◀/▶ keys to change the setting. Press the EXIT key to exit the Menu.

Set Password: To set or change the password, enter your old password or the default password '000000', then you will be asked to enter your new password. To confirm, re-enter your new password. Once it is confirmed, press the EXIT key to exit the Menu. Then your old password will be replaced with your new password.

Restore Factory Default: To reset your Set Top Box to the Default Factory Settings. In Main Menu, move the cursor to "System", select [Restore Factory Default] and press the OK button. Enter your password or the default password '000000' and press OK to confirm. This option will delete all preset channels and settings and restore factory setting.

Information: View model, hardware and software information.

Recall List: On: The screen will show a table which includes the last ten programs watched, you can select programs here. Off: The receiver will play the last program.

Software Update: There are two options, **By USB:** Update with the firmware loaded on to a USB device.

By OTA (over the air): When you choose this option, follow the on screen instructions



12 USB Menu

Press the MENU key and select [USB]. This menu displays options to playback Music, Photo and Video files, it supports MP3, WMA, JPEG, BMP, AVI, MKV files ect.. The menu also offers options to adjust the multimedia configuration.

The unit will only support USB devices with FAT and FAT32 formatted media.



12.1 Multimedia

Select [Multimedia]. If no USB device is plugged in, a warning message "No USB Device is Found" will be displayed. After the USB device is recognized, if you want to playback a music file, enter "Music" and select a music file on your USB device then press OK.

Take the same steps to playback photo, video or PVR files.

12.2 Photo configure:

Slide Time: Use ◀/▶ keys to select slide show viewing time from 1-8 seconds per slide.

Slide Mode: Select slide show effect in mode of 0-59 seconds or random.

Aspect Ratio:

[Keep]: View the image in its original aspect.

[Discard]: View the image full screen.

12.3 Movie Configure

Aspect Ratio:

[Keep]: Play movie in its original aspect.

[Discard]: Play movie in full screen mode.

Subtitle Specification:

[Small]: Display the subtitle in small mode.

[Normal]: Display the subtitle in normal mode.

[Big]: Display the subtitle in big mode.

Subtitle BG (background):

[White]: Display the subtitle on a white background.

[Transparent]: Display subtitles on a transparent background.

[Grey]: Display subtitles on a grey background.

[Yellow green]: Display subtitles in green on a yellowbackground.

Subtitle Font Color:

[Red]: Display Subtitle in red font.

[Blue]: Display Subtitle in blue font.

[Green]: Display Subtitle in green font.

12.4 PVR Configure:

PVR configure displays information about the USB device, and it also offers formatting options for a connected USB device.

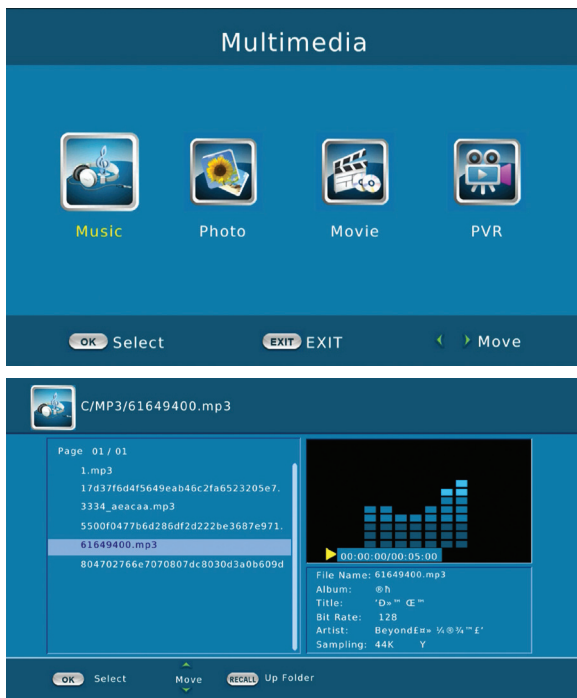
Note:

We can not guarantee compatibility with all USB mass storage devices and we are not responsible for any loss of data that may occur when connected to this unit.

With large amounts of data, it may take longer for the system to read the contents of a USB device.

Some USB devices may not be recognized.

Even when they are in a supported format, some files may not play or be displayed depending on the content.



13 PVR Function

13.1 Start recording

Insert a USB device into the set top box, the message "USB device is inserted" will appear on your screen. Press the PVR key on the remote control your TV will display "Enter Record Waiting..." In recording mode, while recording a recording icon and recording time elapsed is shown in the top left of the screen.



13.2 Exit from recording mode

To finish recording, press the STOP key on the remote control, the system will prompt you: "Do you want to stop record?" Press OK and your receiver will exit recording mode. The recording icon and recording time will disappear from the screen. Press EXIT, to return to recording mode and continue recording.



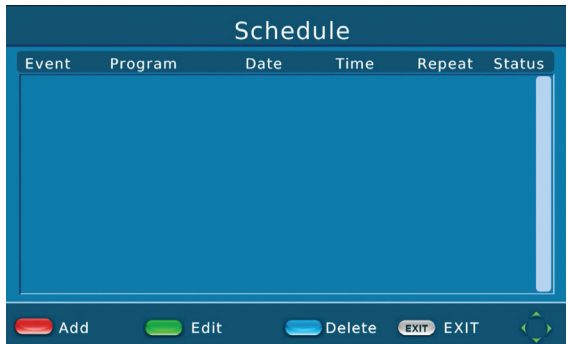
13.3 PVR files

When you use the PVR function, the receiver will create a PVR folder on the USB device automatically, and all PVR recordings will be saved to this folder, and will be listed chronologically according to when the recording was made, use the colour keys to play/rename/delete the records in the folder.



13.4 Scheduling a PVR recording

Follow the steps below if you want to program your receiver to record a program onto your USB device.



13 Scheduling PVR Recordings and Timeshift

Press the RED key on the remote control, the screen to the right will appear:

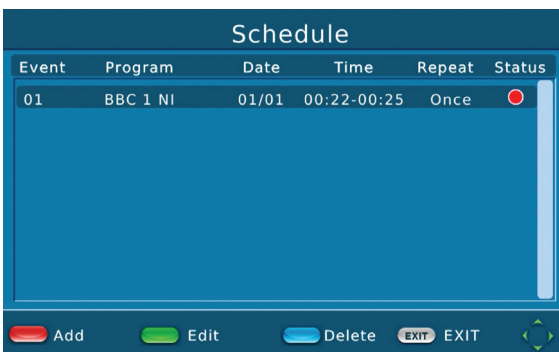
Alternatively you can schedule a recording from the EPG screen use the ▲/▼ keys to highlight a program and press OK. The screen to the right will appear.

Press the ▲/▼ keys to select Start Date, Start Time and End Time, and set the right time using the remote control number keys.



Then set the Mode to Record.

Press the OK key to confirm, this screen will appear. Press the Red key to schedule another recording. Press the Green key to Edit the selected recording. Press the Blue key to Delete the selected recording. Press Exit to close Menu.



If at anytime you want to see a list of scheduled recordings go to the EPG and press the Info key.

13.5 Timeshift

Connect a USB device to the receiver, press the PVR key on the remote control, when the receiver enters recording, press the PLAY key on the remote control, a bar will appear at the bottom of the screen, time shift is now on. You can pause, review or forward the program using the keys on your remote just like playing a video.

You can also start timeshift by pressing the pause key when watching a program, the receiver will enter timeshift (start recording) and pause the program showing on screen.

If you want to remove the bar and the recording time from the bottom of the screen while remaining in timeshift mode, press the EXIT key on the remote. Press the Information key to bring them back on screen. To exit timeshift, press the Stop key on the remote control.



14 Troubleshooting

There are a variety of reasons why the receiver may not function as expected.

The table below lists symptoms that might occur and the causes and appropriate remedies.

If you are still unable to get your receiver operating properly, please contact our customer careline - details shown in the footer. Don't under any circumstances remove the receiver cover as you could risk receiving an electric shock.

Symptom	Cause	Remedy
The LED display on front panel does not light up.	The power cord is not plugged in.	Check that the power cord is plugged in to the wall outlet.
No picture or sound	Check the connection(s) from the Audio/ Video output of the receiver to input of TV. The Audio is muted or the TV is Off	Connect the Audio/ Video output of the receiver to TV correctly. Press the MUTE key and Turn the TV on.
No picture or picture freezes	The receiver can't receive the signal, The dish/aerial is not aligned correctly, Incorrect values of the tuner parameters, The TV has the wrong Input selected, the brightness and/or contrast are set too low .	Check the dish/aerial cable, replace the cable and securely connect the cable to the receiver. Set the values of the tuner parameters correctly in the installation menu [Use default values]. Check the signal strength with a signal finder meter and adjust the dish/aerial correctly.
No picture	The program is a radio program	Press<TV/RADIO> key to shift into TV mode.
The remote control does not work	The batteries of the remote control are not inserted or exhausted, the IR remote signal is being blocked	Check that the batteries are inserted correctly. Check the batteries condition and if exhausted replace the batteries in the remote control. Make sure nothing is obstructing the path of the remote control signal

15 Specifications

Input and Output		
USB 2.0, HDMI, 3.5mm jack (L/R audio,Coaxial), SCART, DVB-T RF IN, DVB-T RF OUT, DVB-S2 RF IN, DC IN		
Specifications		
Dimensions:	W 220.0mm H, 38.0mm, D 160.0mm	
Cable Length:	1m	
Mains adaptor:	Max 8W,100-240V~50-60Hz	
	DVB-T	DVB-S2
Input frequency:	177.5-226.5MHz (VHF), 474-858MHz (UHF)	950 to 2,150MHz
Bandwith:	7/8MHz	---
Demodulation:	QPSK, 16QAM, 64QAM	QPSK, 8PSK, 16APSK, 32APSK
Code Rate:	1/2, 2/3, 3/4, 5/6, 7/8, automatic	1/2, 2/3, 3/5, 3/4, 4/5, 5/6, 8/9, 9/10
Guard:	1/4,1/8,1/16,1/32	---
TX Mode:	2K,8K	---



Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

