OSN dvr HD

3D High Definition
Satellite Receiver and Recorder

OSN

Just imagine.

Contents

Introduction

Please follow the instructions in this Installation Guide carefully to enjoy all the advantages of your OSN dvr HD for watching and recording television programmes.

Storage

If your OSN dvr HD is not used directly after purchase, it can be stored in its original packaging, in a cool dry place, at a temperature between -20 °C and +70 °C. Before use, wait until your OSN dvr HD has reached room temperature.

Maintenance

Before cleaning, always disconnect the power from your OSN dvr HD and disconnect the cable at the SAT-IN connectors.
To clean your OSN dvr HD, dust with either a clean dry cloth, or one that has been slightly dampened with distilled water. Never use detergents of any kind.

Handling

To avoid possible damage to the internal hard disk, do not pick up or move your OSN dvr HD while it is connected to the power supply. If you want to move your OSN dvr HD, first stop any recording, then turn it off and wait 60 seconds before discon-necting it. You should handle your OSN dvr HD carefully, as any damage you cause to the internal hard disk (or any other component) will invalidate your warranty.
If you move your OSN dvr HD between locations at different temperatures, allow it to reach room temperature before you apply power to it.

ENVIRONMENTAL ISSUES

Packaging

When disposing of this product packaging, please ensure that it is recycled.

This will reduce the demand for virgin wood pulp, whilst diverting material that would otherwise end up in landfill.

Product and batteries

Recycle – Do not dispose of this product or its remotecontrol batteries with your domestic rubbish.

At the end of their useful lives, the product and batteries contain materials that, when processed correctly, can be recovered and recycled. By recycling the product and batteries responsibly, you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill sites. You will be helping to prevent potential negative consequences for the environment and human health.
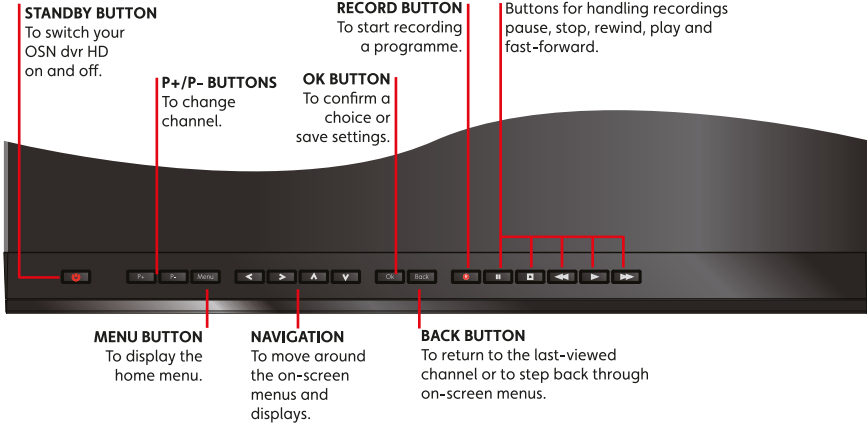
Before you begin

UNPACKING THE CARTON

Before you start installing your OSN dvr HD, please check you have the following supplied accessories:

- A 12V power supply unit
- A mains lead
- A remote control with 2 AA batteries
- A smartcard pre-inserted into the smartcard slot in the OSN dvr HD
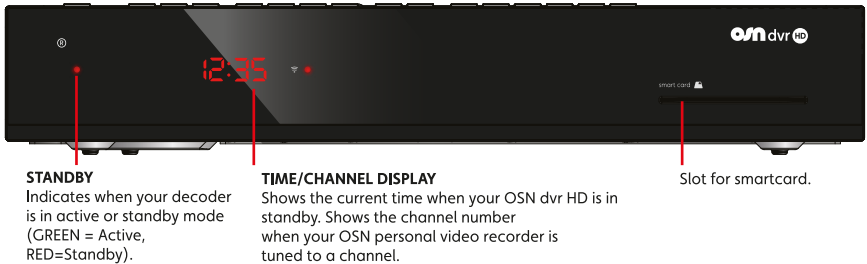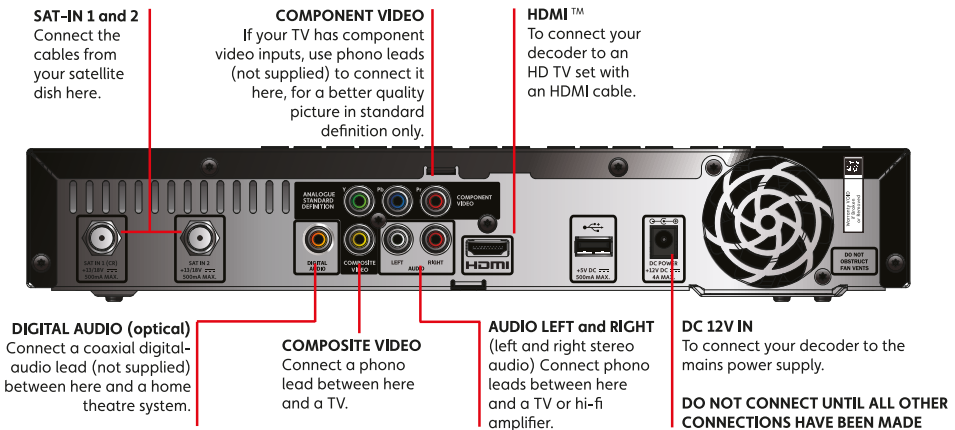- Installation Guide

Your OSN dvr HD

TOP PANEL

STANDBY BUTTON
To switch your
OSN dvr HD
on and off.

P+/P- BUTTONS
To change
channel.

RECORD BUTTON
To start recording
a programme.

OK BUTTON
To confirm a
choice or
save settings.

Buttons for handling recordings
pause, stop, rewind, play and
fast-forward.

MENU BUTTON
To display the
home menu.

NAVIGATION
To move around
the on-screen
menus and
displays.

BACK BUTTON
To return to the last-viewed
channel or to step back through
on-screen menus.

FRONT PANEL

STANDBY
Indicates when your decoder
is in active or standby mode
(GREEN = Active,
RED=Standby).

TIME/CHANNEL DISPLAY
Shows the current time when your OSN dvr HD is in
standby. Shows the channel number
when your OSN personal video recorder is
tuned to a channel.

Slot for smartcard.

BACK PANEL

SAT-IN 1 and 2
Connect the
cables from
your satellite
dish here.

COMPONENT VIDEO
If your TV has component
video inputs, use phono leads
(not supplied) to connect it
here, for a better quality
picture in standard
definition only.

HDMI ™
To connect your
decoder to an
HD TV set with
an HDMI cable.

DIGITAL AUDIO (optical)
Connect a coaxial digital-
audio lead (not supplied)
between here and a home
theatre system.

COMPOSITE VIDEO
Connect a phono
lead between here
and a TV.

AUDIO LEFT and RIGHT
(left and right stereo
audio) Connect phono
leads between here
and a TV or hi-fi
amplifier.

DC 12V IN
To connect your decoder to the
mains power supply.

**DO NOT CONNECT UNTIL ALL OTHER
CONNECTIONS HAVE BEEN MADE**

Connecting Up

CONNECTING YOUR OSN dvr HD

Before starting, choose a suitable position for your OSN dvr HD, observing the ventilation requirements set out on page 21.
Warning: Before you connect or disconnect your OSN dvr HD to/from any other equipment, make sure you disconnect all the equipment from the mains supply.

Connecting to a TV

If you have a TV with only a composite (CVBS) video input, use the supplied AV phono leads to connect your OSN dvr HD as shown below. Match the colours of the connectors on your OSN dvr HD and leads.
If your TV has component video (Y Pb Pr) inputs, you can connect your OSN dvr HD to your TV using a suitable lead (not supplied) as shown below. This will give a better quality picture on your TV for standard definition only.
You also need to connect the audio leads. Please note that connecting your TV using composite or component cables as described above will not give an HD picture.

If your HDTV has HDMI inputs, you can connect your OSN dvr HD to your TV using the supplied cable as shown below. This will give you the best quality HD picture and audio quality on your TV.
For the HDMI connection, you do not need to connect any additional audio leads. (Limited to stereo audio only.)

Alternative Audio Connections

You can connect your OSN dvr HD's audio outputs to your TV, but you can, instead, connect them to a hi-fi amplifier or home theatre system, as shown below. This will give better sound quality.
The best sound quality is from your OSN dvr HD's DIGITAL AUDIO connector, but for this you will need a 75-ohm coaxial audio cable (not supplied). This digital audio is compatible with Dolby Digital Plus audio equipment.

TV

Composite video phono lead

Home theatre system

Coaxial digital audio lead

Standard HDMI cable

Component video phono leads

Left and Right audio leads
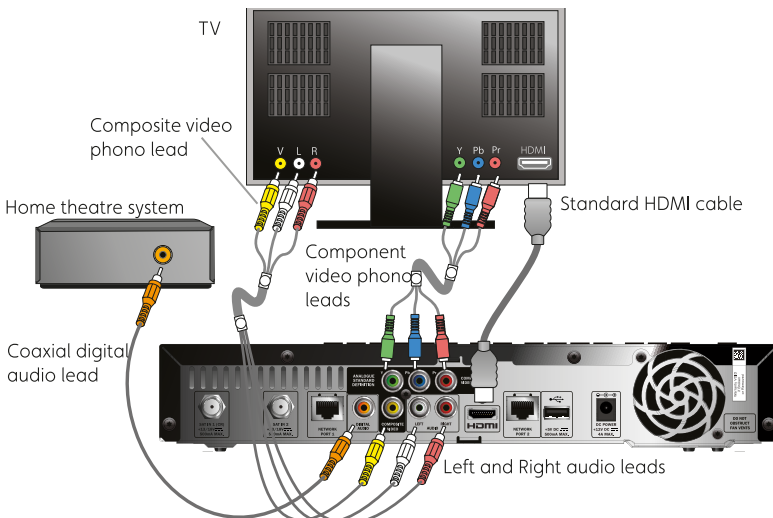
Getting Started

## CONNECTING TO THE SATELLITE DISH

WARNING: Your OSN dvr HD should be installed by an OSN-authorised installer.

If necessary, fit an F-connector to the cable from the satellite dish.
There are two ways to connect to the satellite dish.

- SatCR LNB - Connect the SatCR lead directly from the dish to the connector labelled SAT IN 1 (CR) on your OSN Showbox HD's rear panel.
- Dual/Quad Universal LNB - Connect the dual/ quad Universal lead directly from the dish to both SAT IN 1 (CR) and SAT IN 2 on your OSN dvr HD's rear panel.

The signal cable coming from the dish cannot be used with a signal splitter. Using a splitter will reduce the signal strength to your OSN dvr HD and will damage other personal video recorders connected to the same dish.

Please ensure that the signal cable is properly installed while setting up your OSN dvr HD.

SatCR LNB

SAT IN 1 (CR)

Dual/Quad Universal LNB

SAT IN 1 (CR) and SAT IN 2
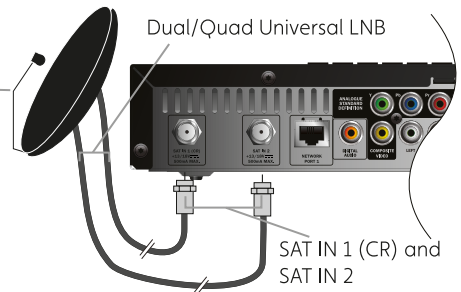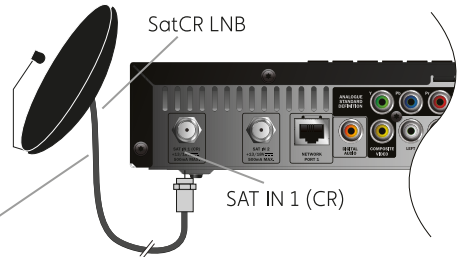
CONNECTING TO THE POWER SUPPLY

1. Plug the fixed lead on the 12V power supply unit into the socket labelled DC POWER on your OSN dvr HD's rear panel.
2 . Plug the 2-way connector on the supplied mains lead into the socket on the 12V power supply unit.
3 . When all the connections are properly made, connect the mains plug from the 12V power supply into a mains wall socket.
4 . Connect other equipment, such as your TV, to the mains supply.
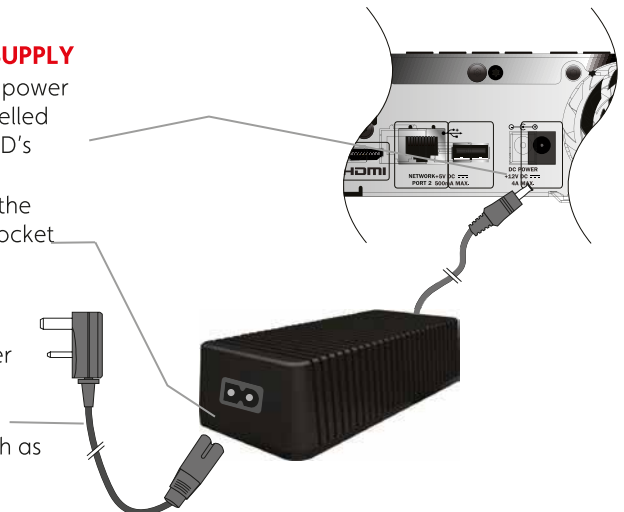
Connecting Up

SWITCHING YOUR OSN dvr HD ON AND OFF

When you have connected your OSN dvr HD to the power supply, the four-digit display on its front panel lights up. This shows that your OSN dvr HD is receiving power.

When your OSN dvr HD is on standby, the four-digit display shows the current time; when your OSN dvr HD is out of standby, the display shows the channel number.

If your OSN dvr HD is on standby, switch on your TV, then press the standby button (⏻) on the top panel of your OSN dvr HD to turn it on. You can also use the standby button or a number button on your remote control. Never turn off your OSN dvr HD by simply disconnecting it from the power supply.

Use the standby button (⏻) on your OSN dvr HD or your remote control. To avoid damaging the hard disk, if you do need to disconnect your OSN dvr HD from the power supply, first stop any recordings, then put your OSN dvr HD on standby and then wait 60 seconds before disconnecting.

Standby button(⏻)

OSN dvr HD is on/not on standby. Shown by channel
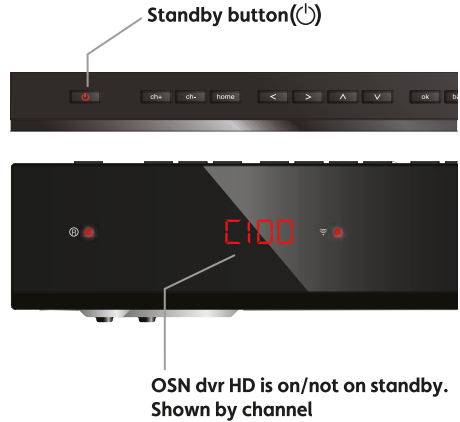
Power Saving:
To save power and money, and to reduce greenhouse gas emissions, please turn off your OSN dvr HD, using only the standby button, when it is not in use.

Your Remote Control

Standby ( )
To switch your OSN personal video recorder on or out of standby

TV standby ( )
To switch TV on or out of standby

Lang/Subt
Change audio language or activate subtitles (where available)

Mute
To turn sound on or off

V+ and V–
To change the volume

OK
To confirm a choice or save settings

TV Guide
Shortcut to TV Guide

To return to last viewed channel or step back through on-screen menus

Favorites
Shortcut to favourites

To start recording to an internal hard disk

Buttons for handling recordings
  Rewind
  Pause
  Play
  Stop
  Fast-forward

Coloured Buttons
Various uses depending on menu screen

Ch List
Shortcut to channels list

On Demand

TV/AV
Switch between input channels on your TV

< > ∧ ∨
To move around the on-screen menus and displays

P+ and P–
UP and DOWN channels or pages

Menu
Shortcut to MENU

i (information)
Programme information

Exit
Go to live TV

Play List
Shortcut to play list showing your recordings and scheduled recordings

Number buttons
To key in channel numbers to change channel

Your Remote Control

CONTROLLING YOUR TV'S FEATURES WITH YOUR REMOTE CONTROL

You can use your remote control to control some of your TV's features. After you press the TV ⏻ button, you can:
● turn your TV on/off using the TV ⏻ button
● adjust the volume* using **VOL+** and **VOL–**
● mute the volume using the **MUTE** button
● select TV inputs using the **AV** button

First, you must configure your remote control to use the correct TV Code for your brand of TV. You can either set the code yourself (Option 1), or let your remote control search for the correct code (Option 2).

** Generally, the volume and mute buttons control the sound from your OSN dvr HD. To convert your remote control so that it controls the TV's sound, hold down **OK** and **VOL+** until the remote control blinks twice. To convert your remote control back to controlling your OSN dvr HD, hold down **OK** and **VOL–** until the remote control blinks four times.*

OPTION 1
1 . Hold down TV ⏻ and **OK** together, until the indicator blinks twice.
2 . Use the number buttons to enter a 4-digit TV Code for your brand of TV.
3 . If the code you entered is valid, the indicator blinks twice.
4 . Verify that the other controllable TV functions are working.
Note: If the TV Code is invalid, or you press an incorrect button, the indicator blinks once for a longer period. Then previous settings are restored and the setup routine ends.

OPTION 2
1 . Hold down TV ⏻ and **OK** together, until the indicator blinks twice.
2 . Press **9**, then **9**, hen **1**. The indicator will blink twice again.
3 . Press TV ⏻ button. Aim the remote at the TV, and press **CH+**.
4 . If the TV does not turn off after 3 seconds, press **CH+** again. Keep repeating this until the TV turns off. If the remote blinks 3 times after pressing **CH+**, it means the remote control cannot be set up to control your TV, your TV is not supported by this remote. Keep repeating this until the TV turns off, then proceed to step 5.
5 . Press **OK**. The indicator blinks twice to confirm that the TV code has been set.
6 . Verify if the other controllable TV functions are functioning.

If you do not press any remote control buttons within a 20-second period during either setup method, the previous settings are restored and the setup routine ends.

Your Remote Control

TV CODES

If a 4-digit code does not work, try the next 4-digit code for your brand of TV.

JVC	0653 1818 0731 0036 1153 0606 1653 0371 0508 0683 0192 0218 0418 0093 0650 1825 1505 0011 1651 0036 0650 1010 0037 0556 0093 0170 0074
LG	1423 0001 1993 0178 0037 0556 0876 1768 0377 0009 0714 1539 0060 0217 0108 0216 0163 0606 0109 0698 0715 0823 1556 0829 1191 0247 0361 1681 0650 0226 1650 1636 0108 1310 0037 0556 0163 1208 0508 0896 0361 0853 1335 0367 0516 0548 0001
PANASONIC	0650 0226 1636 1650 0037 1310 0556 1410 0163 1208 0508 0896 1335 0361 0853 0367 0516 0548 0001 0108
PHILIPS	0037 0556 1744 0772 1246 0178 0108 1304 0195 0087 0374 0760 0343 0595 0009 0200 0361 1521
PIONEER	1260 0011 0760 0109 0170 1457 0163 0037 0287 0556 1704 0428 0370 0343 0361 0486 0512
SAMSUNG	0060 0812 0766 0814 0618 0178 0587 0093 0009 0556 1235 0108 0037 0217 0264 0370 0072 0156 1208 0226 0216 0290 0821 0163
SHARP	0093 1393 0009 0818 0036 2214 0491 0256 1819 0650 0294 0653 0412 0516 0200
SONY	1505 1825 1651 0011 0036 0650 1010 1685
TOSHIBA	1508 0508 0650 0060 0009 1704 1164 0714 0036 0156 1656 0070 0093 1524 2060 0264 1935 0412 0618 1582 0821 0217 0109 1457 0195 1916 1908 0698 0037 0736 1556 1037

If your brand of TV is not listed above, please refer to the OSN website: (www.osn.com/tvcodes) for additional information.
If you wish to clear the current TV code that is programmed in the remote, hold down TV ⏻ and **OK** together, until the indicator blinks twice. Follow this up with **9**, then **7**, then **7**. The indicator will blink twice again. The remote will still be able to control your OSN dvr HD.

Troubleshooting

If any of the following on-screen messages appear, you may attempt the suggested solutions to resolve it before contacting OSN Customer Service.

Problem Message	Possible Cause	Suggested Solution
Please insert your OSN Smartcard.	Your OSN Smartcard is not inserted in the Smartcard slot of your OSN personal video recorder.	Please insert your OSN Smartcard into the smart card slot.
Your OSN Smartcard is incorrectly inserted. Please place the card in the receiver with the chip facing up.	The Smartcard is not inserted properly.	Re-insert the Smartcard correctly.
	You have inserted another OSN Smartcard into your OSN dvr HD.	Please insert the OSN Smartcard that came with your OSN dvr HD ensuring the chip is facing upwards. Only use the OSN Smartcard that came with your OSN Showbox HD.
	The Smartcard in your OSN dvr HD is not an OSN Smart Card.	
Please call the following OSN phone number to subscribe to this programme: **KSA** 9 2000 4444 **KUWAIT** 1 807 007 **BAHRAIN** 17 317 317 **QATAR** 447 7177 **JORDAN** 06/5511615 **UAE & OTHERS** 04 367 7888	You current subscription does not include this channel.	Please contact OSN Customer Service if you are interested in viewing the channel.
This channel is not included in your subscription. To subscribe, please call OSN Customer Service.	You current subscription does not include this channel.	Please contact OSN Customer Service if you are interested in viewing the channel.
Your Smartcard is inactive. Please call OSN Customer Service to activate: **KSA** 9 2000 4444 **KUWAIT** 1 807 007 **BAHRAIN** 17 317 317 **QATAR** 447 7177 **JORDAN** 06/5511615 **UAE & OTHERS** 04 367 7888	Your OSN Smartcard has not been activated or has been deactivated.	Please contact OSN Customer Service to activate the card. Leave your OSN Smartcard inside your OSN dvr HD for a couple of hours powered up with the signal locked on.
	The OSN Smartcard has not been in your OSN dvr HD for several months.	Leave your OSN Smartcard inside your OSN dvr HD for a couple of hours powered up with the signal locked on.

Troubleshooting

Problem Message	Possible Cause	Suggested Solution
Your receiver is unable to receive a signal.	The satellite input is not connected properly. See "connecting Up" on page 6.	Ensure that the satellite input is connected properly.
	The dish is not aligned properly.	Have an authorized installer align the dish properly.
Booking is not allowed when Smartcard is removed.	Your OSN Smartcard is not inserted in your OSN dvr HD while you are trying to book a reminder.	Insert your OSN Smartcard and retry booking the reminder.
You have already booked the maximum number of reminders.	You have already booked 50 reminders.	You can either delete some of the existing reminders or book new reminders after the existing reminders have lapsed.
The following events start at the same time. Please cancel one of the events to proceed.	You have already set a reminder for a different programme that starts at the same time, thereby causing a reminder conflict.	You can either cancel the current booking or continue booking a new reminder by overwriting the old reminder.
No favourite channels found.	You have not assigned any channels to your favourite channels list.	You can access the home menu using the home button on the remote control. You can assign favourite channels by navigating to: Settings > User Settings > Edit Favourites.
You have already selected the maximum number of favourite channels.	You have already selected 30 favourite channels.	You need to delete some of your old favourite channels to add new favourites.

Troubleshooting

Problem Message	Possible Cause	Suggested Solution
This channel is blocked by parental control.	You have blocked this channel using the Channel Block function under Parental Control.	You can either enter the correct PIN code to view the channel or switch to another channel.
You have already selected the maximum number of blocked channels.	You have already selected 30 blocked channels.	You need to delete some of the old blocked channels to block additional channels.
PVR functionality not available. *(note: this message is displayed when the dvr subscription is cancelled or expired.)*	You are playing back a programme you recorded.	Please contact OSN Customer Service to enable OSN dvr HD recording functionality.
	Your OSN dvr HD starts recording a previously booked recording.	
	You have started recording a programme that is on now.	
	You have accessed the review buffer.	
Warning on change in RB depth.	The contents in the review buffer will be deleted (see page 20).	No action required. This is just a warning message.
PIN control message – Incorrect PIN. Please re-enter.	You have entered a wrong PIN code.	Enter the correct PIN code.
PIN control message – Please enter the PIN to protect the recording from deletion.	You are trying to block a recorded programme from getting deleted.	Enter the correct PIN code.

If in doubt please call OSN Customer Services on
KSA 9 2000 4444, **KUWAIT** 1 807 007, **BAHRAIN** 17 317 317
QATAR 447 7177 , **JORDAN** 06/5511615 or **UAE & OTHERS** 04 367 7888

Troubleshooting

Problem	Possible Cause	Suggested Solution
Disk out of space.	When you select a programme to record, your OSN dvr HD checks whether there is enough disk space to record it. If the disk is nearly full, your OSN dvr HD may need to delete some programmes to make space for the new programme. Depending on the OSN dvr HD Settings set on your OSN dvr HD (see page 20) this message is displayed.	In manual mode, you can delete recorded programmes manually from the planner to free disk space.
		In the warning mode, the current programme to record and the list of existing recorded programmes are displayed, from which you can select the programme that you want to delete.
Failed recording.	This is an information message displayed in the programme information screen with the reason for the failed recording.	No action required. This is just an information message.

General Problems

Before attempting to check the connections between your equipment, please ensure that you have disconnected them from the mains supply. When you have finished checking or reconnecting your equipment, safely reconnect it to the mains supply.

Problem	Possible Cause	Suggested Solution
The display on the front panel does not light up/is not lit.	Your OSN dvr HD is not connected.	Make sure the lead from the 12V power supply unit is properly plugged into your OSN Showbox HD. Check that the 12V power supply unit is properly connected to the mains supply, and that the mains supply is switched on.
There is no sound and picture on your TV, but your OSN dvr HD's front panel shows the time.	Your OSN dvr HD is still on standby.	Press the standby button (⏻) on your remote control or your OSN dvr HD top panel. Make sure that you have selected the correct AV input on the TV.
Your remote control does not operate your OSN dvr HD. (Note: If your OSN dvr HD is not on standby, then the IR indicator light on its front panel should flash when you press the remote-control buttons.)	Your OSN dvr HD is still on standby.	Press the standby button on your remote control.
	Something is blocking the path between your remote control and your OSN dvr HD's front panel.	Ensure that nothing is blocking the path.
	Your remote control's batteries need replacing.	Replace all the batteries in your remote control. Never throw used batteries into a fire. Dispose of them in an environmentally-responsible way (see page 2).
There is no sound or picture, or the picture is of poor quality or looks blocky.	Your satellite dish is not connected properly to your OSN dvr HD.	Make sure that your satellite dish is connected properly to your OSN dvr HD.
	Your TV is not connected properly to your OSN dvr HD.	Make sure that your TV is connected properly to your OSN dvr HD, your TV is out of standby and you have selected the correct AV input on the TV.
	Your satellite dish is not pointing in the right direction or has a faulty LNB. Note: Severe weather and heavy cloud cover can cause this problem.	Check the signal-level indicator. If it is low, please contact OSN Customer Service for further assistance. You can check the signal level in the Satellite Settings screen by navigating through the following screens: Settings > Installation Settings > Satellite Settings.

General Problems

Problem	Possible Cause	Suggested Solution
There are OSN Smartcard error messages.	Your OSN dvr HD cannot detect or recognise your OSN Smartcard.	Make sure that you have the correct OSN Smartcard and that it is properly inserted. If the messages persist, please contact OSN Customer Service.
You have forgotten your PIN code.		Please contact OSN Customer Service to reset the PIN code.
Your OSN Smartcard does not work with any other OSN Decoder that you may have.	Your OSN Smartcard will work only with the OSN dvr HD that it came paired with. It cannot be used with any other decoder.	Make sure that your OSN Smartcard is used only with your OSN Decoder.
The HDMI output of your OSN dvr HD does not seem to be functioning.	Standard HDMI cable may not be connected properly.	Please ensure that the standard HDMI cable is connected properly at each end.
	Your TV may be unable to communicate properly with the HDMI input.	Turn the TV off and on.
Your HD channels show 'Services currently not available' while your other channels are OK.	Your OSN dvr HD needs to be installed properly without the use of any cable splitters.	Please call OSN Customer Service to have your OSN dvr HD correctly installed.
When you are viewing an HD channel, the other personal video recorders in your home no longer work properly.	Your OSN personal video recorder needs a dedicated signal source.	Disconnect the splitter and connect the signal source directly to your OSN dvr HD.
Power failure during recording.		You will be able to view the partially recorded programme and the recording will be marked as partial.
Live pause not working.	The internal hard disk space on your OSN dvrHD is low. This happens when you have set the Disk space mode to manual in the OSN dvr HD settings (see p 20).	Check the disk status and delete old or viewed recorded programmes to free space.
Cannot view recording, your OSN dvr HD requests a PIN code.	The recorded programme is recorded from a blocked channel.	Enter the PIN code to view recorded programme.
	The recorded programme is blocked using parental control.	

*Note: If you experience a problem even after the above checks, please contact
OSN Customer Service for further assistance.*

KSA 9 2000 4444, **KUWAIT** 1 807 007, **BAHRAIN** 17 317 317, **QATAR** 447 7177
JORDAN 06/5511615 or **UAE & OTHERS** 04 367 7888

HD Settings

The recommended settings for various TV resolutions are shown below.

TV Resolution	Setting
1920 x 1080	1080i*
1280 x 720	720p
852 x 576	576i / 576p

* Default setting

You can access the HD Settings by navigating through the following menus:
System Setup > Installation Setup > HD Setup
In the Installation Setup screen, enter your PIN code when prompted. The default PIN code is 0000. This can be changed by you at any time to maintain security and can be reset by the OSN Customer Call Centre.
Set the HD resolution to best match your TV's native resolution. The available settings are 720p and 1080i for HD TV sets.

TV Settings

You can access the TV Settings by navigating through the following menus:
Menu > System Setup > Installation Setup > TV Settings
On the Installation Setup screen, enter your PIN code when prompted.
The default PIN code is 0000.

Item	Settings	Comments
TV Type	SD (Standard Definition)	For TVs that support Standard Definition
	HD (High Definition)*	For TVs that support High Definition
TV Size	4:3	For 'standard' (4:3) TVs
	16:9*	For 'widescreen'(16:9) TVs
Conversion for 16:9 input video *(Determines how widescreen (16:9) programmes are displayed on a standard (4:3) TV - available only if the TV Aspect Ratio has been set to 4:3)*	Letter Box*	The entire picture of the widescreen programme will be displayed in a standard (4:3) TV, but the picture will not fill the screen. There will be black bars on the top and bottom of the picture.
	Centre cut	The side edges of the widescreen programme will be cut-off but the entire screen will be filled.
Conversion for 4:3 input video *(Determines how standard (4:3) programmes are displayed on a widescreen (16:9) TV - available only if the TV Aspect Ratio has been set to 16:9)*	Stretch (Default if the TV Type is set to standard)	The picture will be enlarged to fill the entire screen, but certain portions of the picture will not be visible on all four sides of the screen.
	Pillar Box* (Default if the TV Type is set to High Definition)	The entire picture will be displayed as if it were on a standard TV with black bars on either side of the picture.

*Default setting

Digital Audio Settings

You can access the Digital Audio Settings by navigating through the following screens:
Menu > Settings > User Preferences > Digital Audio settings
The audio quality will depend on the Digital Audio Settings and the type of audio output used, as shown below:

Channel type	Digital Audio Setting	Rear-panel audio outputs		
		HDMI	Digital Audio	Audio L & R
Channel with Dolby	Dolby Digital 5.1 (Digital Only)	Dolby Digital	Dolby Digital	No audio
	Stereo* (Analog and Digital)	Stereo	Stereo	Stereo
Channel without Dolby	Dolby Digital 5.1 (Digital Only)	Stereo	Stereo	Stereo
	Stereo* (Analog and Digital)	Stereo	Stereo	Stereo

* Default setting
If you notice that the audio is not in sync with the video, when you have connected a standard HMDI cable and a coaxial digital-audio lead to your OSN dvr HD, you may set the time delay accordingly to compensate for this delay.

OSN dvr HD Settings

You can access the OSN dvr HD Settings by navigating through the following menus: **Menu > Settings > Your Settings > Showbox Settings**
The OSN dvr HD Settings screen lets you manage your recordings.

Item	Settings	Comments
Disk Space Mode	Auto	Recorded programmes will be deleted automatically when there is not enough space to record new programmes.
	Warning*	Recorded programmes will never be deleted automatically. Shortly before your OSN dvr HD runs out of disk space, a message is displayed to let you know. If you take no action, the message disappears in 60 seconds and the oldest recorded events are deleted first to free space to complete the current recordings.
	Manual	Recorded programmes will never be deleted automatically. If it stops recording, and a warning message is displayed, you must delete recordings to increase the available disk space for new recordings.
Review buffer depth *(The review buffer is the part of the hard disk that temporarily records Live TV and allows you to pause or rewind Live TV)*	60 minutes*	On your OSN dvr HD, the review buffer can store recordings between 0 minutes and 90 minutes. At the end of the specified duration, the recording is overwritten.
Start record extension	2 minutes*	The number of minutes before the set start-time that the recording actually starts.
End record extension	2 minutes*	The number of minutes after the set end time that the recording actually ends.

*Default setting

Safety Information

USING EQUIPMENT SAFELY

Your OSN dvr HD has been manufactured to meet international safety standards, but you must take care to operate it safely.
It is important that you read these safety instructions.
WARNING: Remember that contact with AC mains can be lethal or can cause severe electric shock. To avoid the risk of electric shock:

⚠ Do not remove the top cover from the 12V power supply unit, as there are high-voltage live parts inside. There are no user-serviceable parts inside this power supply unit.

⚠ Do not remove the top cover from your OSN dvr HD. There are no user-serviceable parts inside it.

⚠ On the rear panel of your OSN dvr HD, there is a tamper-evident label that states 'Warranty void if broken or removed'.

⚠ Make sure all electrical connections are properly made.

⚠ Do not connect any equipment to the mains supply until you have properly connected all the other leads.

⚠ Before you disconnect any other equipment from your OSN dvr HD's rear panel, put your OSN dvr HD on standby, wait 60 seconds, then disconnect your OSN dvr HD from the power supply (by disconnecting the 12 V power supply unit from the mains socket on the wall).

⚠ Never push anything into holes, slots or other openings in the case (except a OSN Smartcard into the Slot provided).

⚠ Mains Plug is used as the disconnecting device and shall be readily operable.

Never expose any batteries to direct sunlight, flames or other sources of excessive heat.
The model number, serial number and electrical rating of your OSN dvr HD are on a label on its base.

CAUTION:
⚠ Do not use or store your OSN dvr HD in hot, cold, damp, or dusty places.

⚠ Do not block the ventilation holes of your OSN dvr HD. Leave a gap of at least 5cm above and around it to allow for adequate ventilation. Never stand it on soft furnishings.

⚠ Do not put anything on your OSN dvr HD that might drip or spill into it. Never stand objects filled with liquids, such as vases, on top of your OSN dvr HD.

⚠ Do not place your OSN dvr HD in an unventilated cabinet or on top of a unit that emits heat (e.g.a VCR).

⚠ Never place naked flame sources, such as lighted candles, on or adjacent to your OSN dvr HD.

CONNECTING TO THE MAINS SUPPLY

• Your OSN dvr HD is designed for use only with the supplied 12V power supply unit.

• The 12V power supply unit operates with a 100-240V AC, 50-60 Hz mains supply. Do not connect it to any other electricity supply than this.

• Connect the 12V power supply unit to your OSN dvr HD. Then insert the 2-way connector on the supplied mains lead into the 12V power supply unit, then finally insert the mains plug into the mains supply at the wall socket.

• Never turn off your OSN dvr HD by simply disconnecting it from the power supply . First stop any recording, then put it on standby and then wait 60 seconds before disconnecting.

• To disconnect power from your OSN dvr HD, always remove the 12V power supply unit from the mains supply (rather than disconnect the 12V power supply unit from your OSN dvr HD). Therefore you must install your OSN dvr HD near to the mains socket-outlet, which should be easily accessible.

• If you are in any doubt about the mains lead, its plug or its connection, consult a competent electrician.

Specifications

Due to continued product improvement, these specifications may change without notice:

GENERAL

Operating voltage	**12V DC 4A**
Power consumption	**48W (max)**
Dimensions (W x D x H)	**255mm x 222mm x 56mm**
Weight	**3.8kg** (packed, including accessories)
Operating temperature range	**+5⁰C to +40⁰C**
Storage temperature range	**−20⁰C to +70⁰C**

REAR – PANEL CONNECTORS

DC POWER	**12 V DC 4A**
SAT-IN 1 (SatCR input)	**F-type female**
SAT-IN 2 (universal input)	**F-type female**
AUDIO LEFT and RIGHT	**2 x phono audio-out sockets**
VIDEO	**Phono composite video-out socket**
COMPONENT VIDEO Y Pb Pr	**3 x RCA (phono) component video-out sockets**
DIGITAL AUDIO	**Coaxial S/PDIF connector RCA/Cinch (female)**
DIGITAL AUDIO	**Optical**
HDMI	**HDMI interface**

Contact us

Log on to osn.com

Notices

HDMI HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. Other trademarks listed herein are the property of their respective owners.

DOLBY Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

MACROVISION This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorised by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Rovi Corporation. Reverse engineering or disassembly is prohibited.