

Channel Master®

DVR⁺
User's Guide



Record without limitations or fees.

Important Software Notice

As with all software controlled products, unexpected behavior could arise if the user tries to perform operations in a non-routine manner. This product, like almost any other high tech product, is subject to bugs and hence Channel Master CANNOT AND DOES NOT GUARANTEE OR WARRANT THAT ALL FEATURES, SUCH AS PARENTAL CONTROLS, WILL WORK AS INTENDED UNDER ALL CIRCUMSTANCES. Channel Master endeavors to improve such conditions and will periodically download improvements.

Equipment and Software Covered by this Guide

This *User Guide* covers the *Channel Master® DVR+™* receiver and software model *Channel Master DVR+*. This *User Guide* may cover other devices not listed here.

Document Number: 199646

Document Version: 1.0

Channel Master is a registered trademark and DVR+ is a trademark of Channel Master L.L.C.

All product names, trade names, or corporate names mentioned in this *User Guide* are acknowledged to be the proprietary property of the registered owners.

VUDU and the logo are trademarks of VUDU, Inc. and are used by permission.

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

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



Publishing Information

Copyright © 2013. Channel Master, Gilbert, Arizona 85233. All rights reserved.

The information in this *User Guide* may change without notice. Revisions may be issued to tell you about such changes.

Important Safety Instructions

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use the apparatus near water.
- 6 Clean only with a dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Unplug the apparatus during lightning storms or when unused for long periods of time.
- 13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into it, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14 Do NOT expose the remote control batteries to excessive heat such as fire or sunshine.
- 15 **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping or splashing.
- 16 The power adapter must remain easy to unplug from the power socket once the equipment is installed.
- 17 Some safety related markings can be found on the bottom of the apparatus.
- 18 **CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Installation

- Locate the power adapter and receiver indoors in an open, well-ventilated area. Do not place them in an enclosure (such as a cabinet) without proper ventilation.
- Place the receiver on its feet on a firm, stable, horizontal surface.
- Unplug the power adapter from the power socket during installation and follow all connection instructions.
- Only connect the original power adapter to the receiver. Other power adapters may damage the circuitry and cause a fire risk.
- Do NOT place heavy objects on the receiver or power adapter.
- Keep plastic packaging and small parts away from babies and children.

Protect from water

- Do NOT place objects filled with liquids, such as vases or drinks, on or near the power adapter or receiver.

General Precautions

- Do NOT remove the power adapter cover due to risk of electric shock from live parts inside.
- Do NOT allow objects to drop or be pushed inside the receiver, for example by children.
- Do NOT place naked flames such as lighted candles on or near the receiver or power adapter.

Equipment Care

- Unplug the power adapter from the power socket before cleaning.
- If the power adapter or receiver is damaged, unplug it from the power socket and have it checked by qualified personnel before operating it any further.

Warning and Attention Symbols

You must be aware of safety when you install and use this system. This User's Guide provides various procedures. If you do some of these procedures carelessly, you could injure or kill yourself or damage equipment or property. Some other procedures require special attention.



The Class II equipment symbol means the equipment has additional insulation and does not need to be grounded.

For Your Safety



Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



Alternating Current (AC)



Direct Current (DC)



Indoor Use Only



USB Connector



WARNING: DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD. The remote control supplied with this product contains a coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Table of Contents



Safety Instructions

1 Introduction

- 03 :: What's included
- 04 :: Controls and connectors
- 05 :: Setting up your DVR+
- 06 :: Using the remote control

2 Getting Started

- 10 :: Turning on your DVR+
- 10 :: Programming the remote
- 12 :: List of Remote Codes
- 16 :: Recording on your DVR+
- 16 :: Playing a recording
- 16 :: Deleting a recording
- 17 :: Managing recordings
- 17 :: Locking a recording

3 Using the DVR+

- 20 :: Changing channels
- 20 :: Controlling the audio

- 20 :: Setting audio options

- 21 :: Getting program info

- 21 :: Adjusting languages and captioning

- 22 :: Using VUDU™ service

4 Menus and Options

- 24 :: DVR+ Main Menu

- 25 :: SEARCH

- 25 :: DVR

- 26 :: GUIDE

- 26 :: SETTINGS

5 Troubleshooting

- 29 :: Issues and Actions

6 FCC, Warranty, OSS

- 32 :: FCC Statement

- 33 :: Limited Warranty

- 36 :: OSS Notices

Chapter 1



:: Introduction

What you'll find in this chapter:

- What's included with your DVR+
- Controls and connectors
- Setting up your DVR+
- Using the remote control.

Introduction

Your new Channel Master DVR+ receiver

Thank you for purchasing your new Channel Master DVR+ High Definition digital video receiver and recorder.

The DVR+ receiver is a state-of-the-art, high definition (HD), digital video recorder (DVR) combining subscription-free, Over The Air (OTA) digital television reception with the flexibility of recording for later playback. It is the complete entertainment solution: an advanced, HD digital video recorder combining OTA reception and recording with access to Internet-enabled TV entertainment such as on-demand VUDU™ movies.

Internet features

Note that to access DVR+ Internet-enabled features, you must connect to a high-speed broadband Internet service. A download speed of 2 Mbps or more is highly recommended in order to enjoy on-demand high-definition movies, such as VUDU.

Using this guide

This guide is intended to help you use your new Channel Master DVR+ receiver. It describes the controls and connections required to set up and get started using the device, as well as providing lists of numbered tasks for using its many features. The flow of these tasks may be illustrated using a ribbon, as shown below.

The VUDU Service

Access to rent or buy VUDU movies on-demand using your DVR+ receiver requires an account with the VUDU service. You can browse for available movies and then sign up directly from within the online application on the DVR+ receiver. Or you may use a web browser to visit www.vudu.com and select the Sign Up link to get started.

If you already have a VUDU account, then you can sign in to it from your DVR+ receiver; or if you have an account with Walmart.com, you can use that username and password to get started.

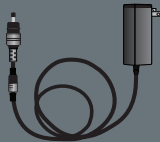




Quick Start Guide



Stop Sheet



Power Supply



Remote Control

What is included with your DVR+

Unpack the box and familiarize yourself with each item:

- The Channel Master DVR+ digital video recorder
- Quick Start Guide
- “Read This First” Stop Sheet
- AC Power Supply
- Remote control (Two CR2032 batteries included)

Front Panel Controls

The front panel of your Channel Master DVR+ receiver features the following:

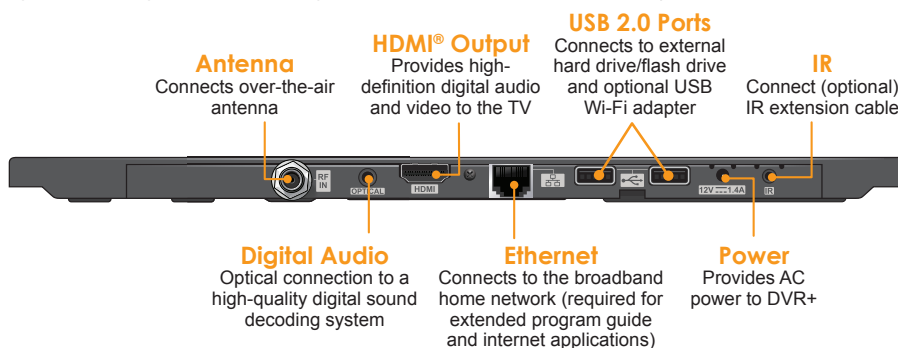
- IR Receiver to receive infrared signals from your remote control. Please do not cover or obstruct.
- Status LED to provide a visual indication of whether your DVR+ receiver is turned on (bright blue) or in standby mode (dim blue). The bright blue light turns red when the DVR+ receiver is actively recording a program or event.
- Power button to activate your DVR+ (if it is standby mode) or put it in standby (if it is active).



Rear Panel Connections

The rear panel of your DVR+ receiver has a number of different connectors you should note.

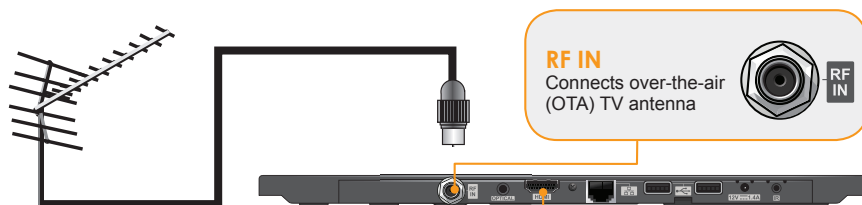
- RF IN to connect a coaxial cable for an Over-The-Air (OTA) television antenna (REQUIRED).
- OPTICAL port to connect a digital audio cable for multichannel sound output.
- HDMI port to connect a High-Definition Multimedia Interface cable for digital audio/video output.
- ETHERNET to connect a LAN cable to your router for broadband Internet service. Note that this optional connection (or a wireless connection using the optional USB Wi-Fi adapter) is required if you wish to access Internet-enabled services such as VUDU.
- Two USB 2.0 ports to connect the optional USB WiFi adapter and/or external hard-disk/flash drive for expanded DVR storage.
- IR port to connect the extension cable for an optional Infrared (IR) receiver. This increases the flexibility of where you can install your DVR+ and still have it respond to remote control signals.



WARNING: Only use the power supply included with your DVR+ to connect it to the AC outlet.

Connecting and setting up your DVR+ receiver

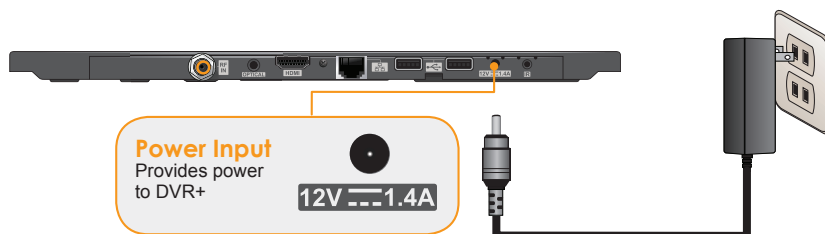
- 1 Connect the antenna to the receiver.



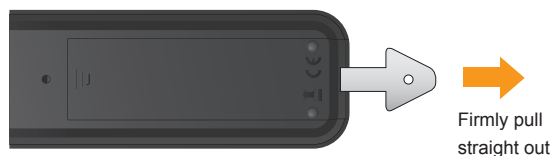
- 2 Connect the receiver to the TV.



- 3 Connect the small end of the power cord to the receiver input and plug the other end into an AC outlet. Turn on the TV and select the correct input.

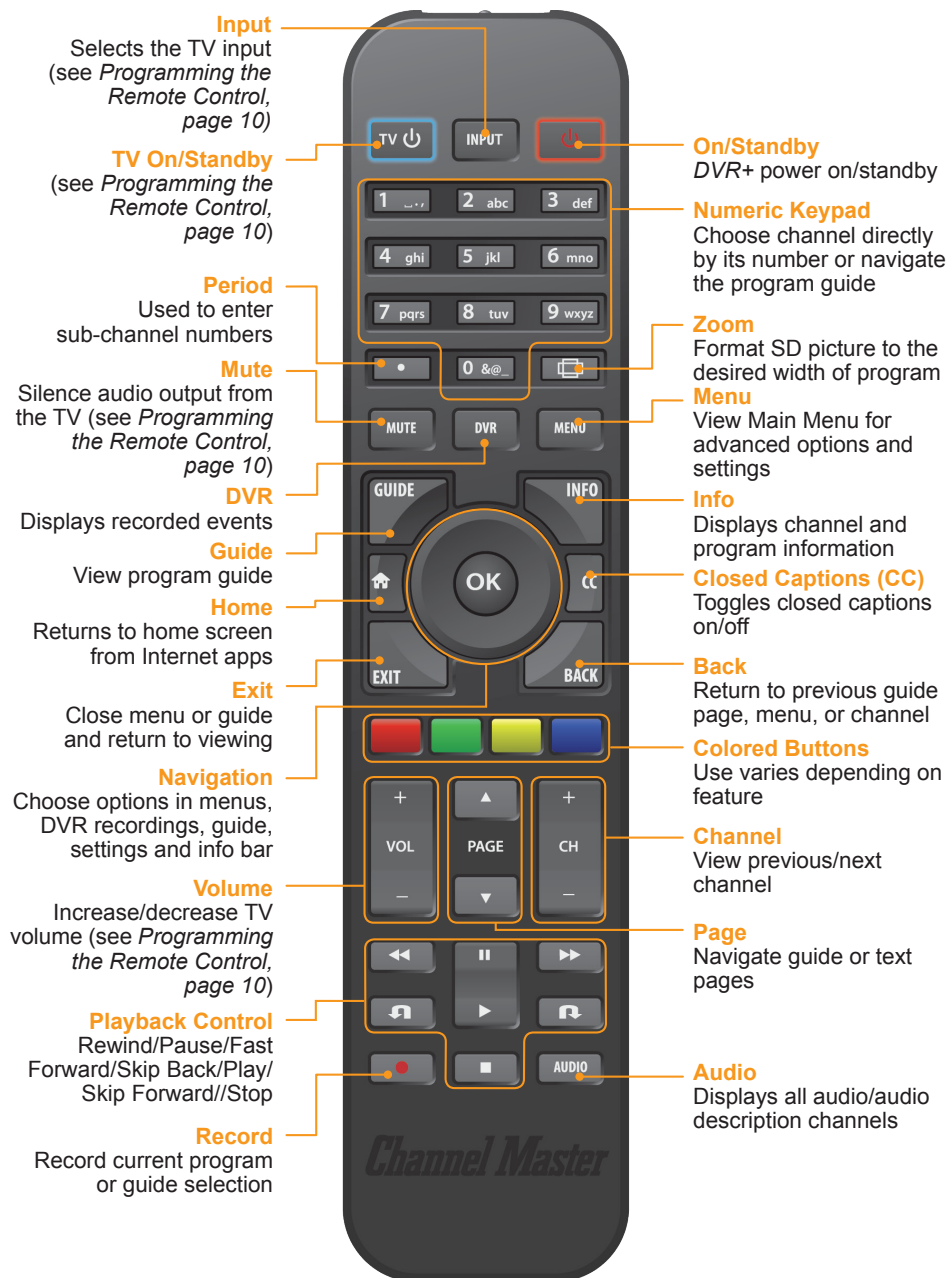


- 4 Remove plastic battery tab from remote control by pulling it out.



- 5 Follow the on-screen Setup Wizard instructions, using the remote control. (See the following pages for more instructions on using your remote.)

Using your DVR+ remote control



Mute/unmute
(see *Programming the Remote Control*, page 10)



View program/
channel
information



Increase/decrease
sound volume
(see *Programming the Remote Control*, page 10)



Rewind



Skip backward



Record remainder
of current program
or a program
scheduled for the
future in the guide



Browse up/
down to next
numbered
channel



Pause a
program



Play a program



Fast forward



Skip forward



Stop



To move through the
program guide, use the
following buttons:



-2.5 hours



Search



-1 day



+1 day



Record selected program



Next page of channels

PAGE



Previous page of channels

2

Chapter



:: Getting Started

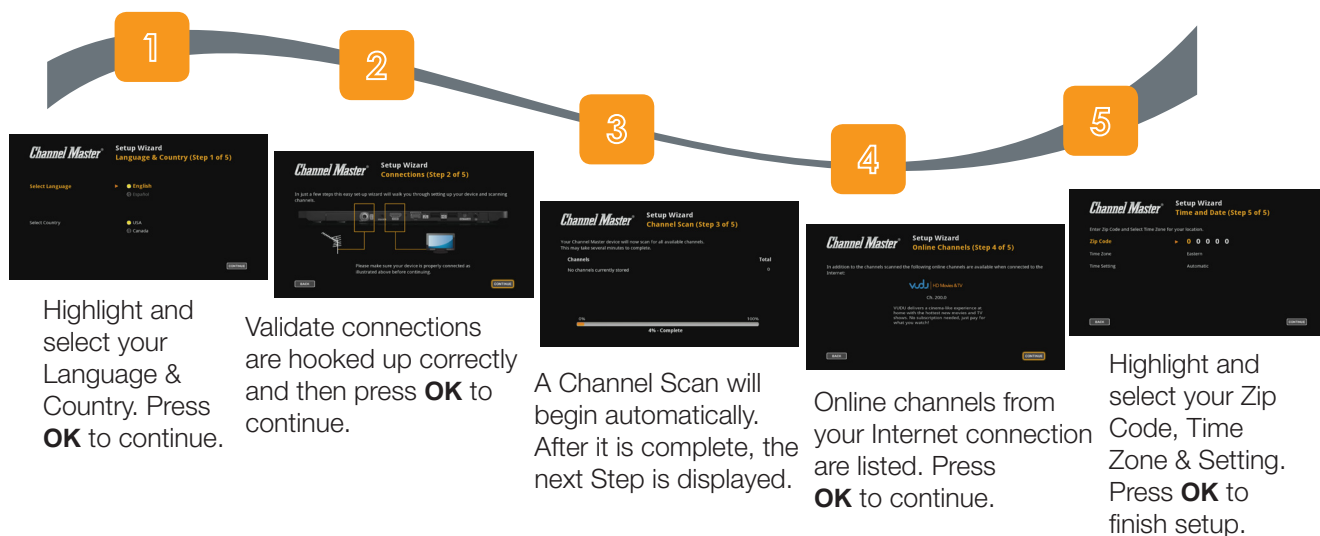
What you'll find in this chapter:

- Turning on your new Channel Master DVR+
- Programming the remote to control your TV
- Recording a program using your DVR+
- Playing back a recorded program
- Deleting a recorded program on your DVR+
- Managing your recorded programs
- Locking a recording with a password.

Getting Started

Turning on your new DVR+ receiver

When you switch on your DVR+ receiver for the first time, it may take a minute or two for the unit to power up and display the Setup Wizard. This will guide you through the steps to set up your receiver and scan for subscription-free, over-the-air channels.



Programming the DVR+ remote control

The remote is capable of controlling basic functions of most TVs (volume up/down, mute/unmute TV sound, TV power on/off, and change current input). To program the remote control to operate your TV, you may use either of the following methods:

- *Easy Scan* as described on the following page.
- *Code Entry* as described on pages 12-15.

If some channels are duplicated/unacceptable

In some areas with multiple transmitters nearby, there may be duplicate channels. If there are duplicate over-the-air channels in your local area, they will be listed in the channel 100-199 range in the guide.

If a channel's transmission is marginal (for example, macroblocking or audio issues) and cannot be improved (see page 20), then you may consider deleting it (see page 28).

Programming your remote using Easy Scan

1



Turn on your TV.

2



Point the DVR+ remote control at the TV. Press and hold down both **CH+** and **VOL-** on the remote simultaneously for at least two seconds. The blue TV button LED gives two slow flashes to indicate successful entry into setup mode.

3



Press **INPUT**. The TV button LED comes on.

4

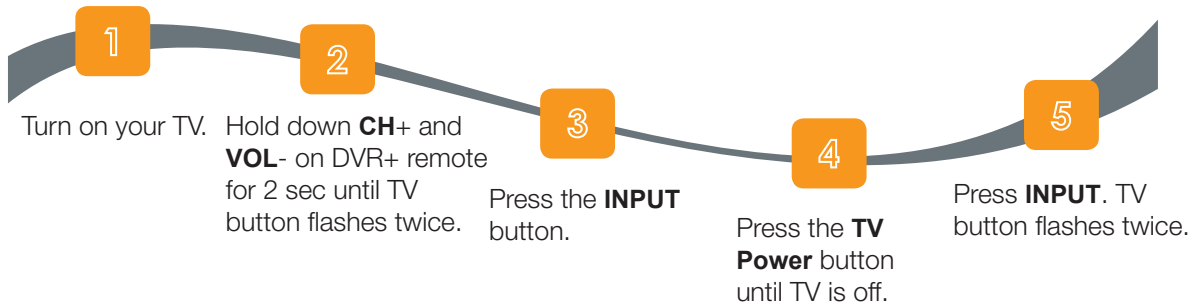


Press **TV POWER** repeatedly until the TV switches off.

5



Press **INPUT**. The TV button LED gives two slow flashes to indicate that the code has been stored successfully.



Programming your remote using Code Entry

To program the remote with a 4-digit numerical code, use the steps below.

Note: Where several codes are listed for a manufacturer, it may be necessary to repeat the sequence below with each code until the correct one is found.

1



Hold down both the **CH+** and **VOL-** keys simultaneously for at least two seconds. The blue TV button LED gives two slow flashes to indicate successful entry into the setup mode.

2



Using the numbered keys (keypad) on the remote control, enter the 4-digit code for your TV manufacturer within 30 seconds. The blue TV button LED flashes for each entry.

Note: Remote codes for TVs are listed on pages 13-15.

After the fourth digit entry, the blue TV button LED gives two slow flashes to indicate that the code has been successfully programmed.

3



In the event of an error, the blue TV button LED gives four rapid flashes. If this occurs, then you will need to begin the code entry process again.

When you successfully program a code that turns your TV on and controls its volume and inputs, write down this code in the spaces provided.

Remote Code: ____ _

1

Hold down **CH+** and **VOL-** on DVR+ remote for 2 sec until TV button flashes twice.

2

Enter remote code listed for your TV brand. TV button flashes twice.

3

Repeat until code works with your TV. Write down this code.

Remote Codes

The table on the following pages contains the manufacturer codes for programming the remote control to operate your TV. If your TV brand is not listed or if the codes listed for it do not work, the DVR+ remote may not be able to control your TV. In some cases, codes may operate some, but not ALL the buttons shown in this guide.

Abex 0401 4021
Acer 3291 4001
Acme 0471
ADA 0461
ADC 1431 1661
Admiral 0371 0681 1441 1661 4991
Advent 0581 0631 0871 2131 2891 3261 4931
Adventura 0151
Aiko 1011 4321
Aiwa 0411 0651 0931 1411 4731 4801
Akai 0331 0351 0781 1901 3111 3215 4141 4151 4461 5141 5171
Alleron 1711
Amark 1441
Ames 1275
Amtron 2191
AMW 0645 0825
Anaba 1375
Anam National 0271 1941 2151 2191 2331 3431
AOC 0001 0011 0251 0391 0611 0891 1221 4221 4261
Apex 0045 0191 0245 0375 0425 0431 0671 1025 1105 1891 2911 4841 5111
Archer 1441
Aspect 1271
Audiovox 2191 2451 4031 4051 4521
Aurora 3061
Axion 0881
Bang & Olufsen 1591
Belcor 0001
Bell & Howell 1261 1421 1661 1691 3421
Benq 1741 1761 2221 3871
Blue Sky 3511 3921
Bradford 2191
Broksonic 0211 0371 0851 1631 4951
Brokwood 0001
Candle 0001 0151 0961 1221
Capehart 0391 4221
CCE 3721
Celebrity 1901
Celera 0191
Centrios 1361
Centurion 1221
Cetomer 0001 1631 2901 2961
Cetronic 1941
Changhong 0191 1891 4841
Chimei 3071
Cineral 3511 4321
Citizen 0001 0351 0371 0961 1011 1221 1311 1381 1661 1941 2191 4321

Clairtone 0011
Classic 0191 1891 1941 4841
CLP 0061
CLP Classic 0001 0041 0161
Coby 2511 2521 2531 2541 2551 3351 5091 5191
Color Voice 1431
Colortyme 0001 1221 1431
Concerto 0001 1221
Concierge 1771 1781
Contec 0011 1911 1941 2191
Cornea 1471
Craig 1941 2191
Crosley 1961
Crown 1941 2191
CTX 1441
Curtis Mathes 0001 0261 0351 1191 1221 1261 1311 1421 1551 1661 1691 3421 4011 4941 5351 5371
CTX 1941 2191
Cybervision 3511
Daewoo 0001 0221 0251 0591 0721 0831 0971 1011 1081 1221 1231 1251 1431 1501 1521 1551 1561 1941 2181 4321 4681
Daytron 0001 1221
Dell 0981 1401 2041 3441 3601 3811
Diamond Vision 1211 1611 2001 4771 4811
Digimate 4301
Digistar 0381 0581 0871 1061 2451 2471 3811 3881 3901
Dimensia 1421 1691 3421
DISH Network 5491
Disney 0371 1101
Distar 3231
Dukane 1271 1981
Dumont 0001 1771 1781
Durabrand 0371 0861 0921 1381 2271 2291 5121
Dynasty 1941
Dynex 0371 2891 3141 3161 5311
Electroband 0011 1901
Electrohome 0001 1221 1921 2151 3431
Elektra 1661
Element 2401 4111 5361 5411
Elite Video 0901
Emerson 0001 0021 0031 0041 0271 0281 0291 0371 0441 0451 0691 0701 0731 0741 0851 0931 1221 1251 1261 1371 1381 1451 1461 1551 1611 1631 1681 1701 1711 1931 1941 2171 2191 2361 2761 3451 4701 4731 4751 4761 4831 4911 5231 5221 5341
Envision 0001 0071 1221 3751

4261 5401
ESA 1381
Fisher 1161 1261 1531 1581 1911 3481 5001
Fluid 2401 2421 2431
Fujitsu 0901 1711 4241 4341
Funai 0701 0931 1381 1711 1941 2191 4731 4761
Futuretec 1941 2191
Gateway 0501
GE 0001 0041 0051 0141 0261 0361 0791 0811 1221 1421 1691 1921 1951 2111 2151 3421 3431 4011 4921
Gilbralter 0001 1771 1781
Goldstar 0001 0251 0611 0761 0931 1181 1221 1501 1911 4731
GPX 4701
Gradiente 0001 2291 3661 3951 3961
Grundy 1711 2191
Guestvision 1861
GVision 4871
Haier 0671 0861 0921 1741 3831 4851
Hallmark 0001 1221
Hannspree 5451 5461 5291
Harvard 2191
Hauppauge 3791
Hello Kitty 5391
Hewlett Packard 3491 4881
Hisense 0671 2081 2211 3671 4381 4391 4671 5331
Hitachi 0001 0841 0931 1041 1221 1271 1341 1371 1481 1661 1721 1751 1801 1911 1981 2051 3341 3621 4121 4331 4731
Hyundai 4651
ILO 1141 1381 1971 2391 2481 3215 3691 4231 5031 5141 5171
IMA 2191
Infinity 1171 1961 4791
Infocus 3421
Initial 2481 4231 4821 5031 5041
Insighnia 0371 0581 0701 0871 0921 1241 1381 2241 2271 2891 2921 3761 3841 4371 4721 4761 5051 5061 5181
Integra 1841
Inteq 1771 1781
ISymphony 3041
Janeil 0151
JBL 1961
JC Penney 0001 0051 0251 0261 0351 0791 0811 0961 1221 1311 1421 1451 1691 1911 1921 1951 3421 3451 4011
JCB 1901
Jensen 0001 1221 2271

JVC 0311 0481 0771 0901 0941
 1281 1481 1801 1911 2381 2751
 4121 4201 5071 5281
Kawasaki 4741
Kawasho 0001 1221 1901
Kaypani 0391 4221
KEC 2191 1941
Kenwood 0001 1221
KLH 0191
Kloss Novabeam 0151 1021
Kogi 4871
Konka 0471 0521 0751 1241
 1671 2121 2191 2241 2371 4621
 4901 4971 5441
KTV 0011 1491 1681 1941 2191
Kurazai 1661
KWorld 2931
Lasonic 1211 1611 4811
Legend 0581
LG 0001 0131 0251 0611 0761
 0931 1181 1221 1471 1501 1911
 3001 3021 3091 3221 3281 3311
 3811 4731 5271 5501 5511
LiquidVideo 0881 1111
LodgeNet 1421 1661 1691 2091
 3421 4091
Loewe 1871 1961
Logik 1421 1661 1691 3421
Luce 0301
Luxman 0001 1221
LXI 0001 0261 0811 0931 1221
 1261 1311 1421 1691 1961 3421
 4011 4731
Magnasonic 1711
Magnavox 0001 0321 0681 0701
 0961 1021 1171 1221 1801 1961
 2321 4191 4641 4761 4791 4991
Majestic 1421 1661 1691 3421
Manhattan 5381
Marantz 0001 1221 1841 1961
Maxent 0501
Medion 1101 1141 2351
Megatron 0001 1221 1271
MEI 0011
Memorex 0001 0211 0371 1161
 1221 1261 1421 1631 1661 1691
 1711 2401 3421 4251 5001
MGA 0001 0251 1221 1581
 1711 1801 1911 1921
Midland 0051 0261 0811 1691
 1771 1781 4011
Mintek 4231
Minutz 1951
Misakai 1381
Mitsubishi 0001 0251 1221 1581
 1711 1801 1811 1921 2701 3271
Monivision 0491
Montgomery Ward 1421 1661

1691 3421
Moteva 1261 3661
Motorola 1441 2151 3431
MTC 0001 0011 0251 0351 1221
 1311
Multitech 2191
Multivision 0081
Myron & Davis 2101
NAD 0001 0401 1221 1311 4021
NEC 0001 0251 0341 1221 1431
 1801 1841 2151 3431 4401
Net TV 0121 0501
Nexxtech 0871 1201
Nikkei 1941
Nikko 0001 1011 1221 4321
Niko 3581
Norcent 0511 0671 2181
NTC 1011 4321
Olevia 2431 2771 2781 2791 3081
 5151 5161
OnCommand 1861 3991
OnKing 1941
Onkyo 3101
Onwa 1941 2191
Optimus 0201 0401 1571 1881
 3551 4021 4691 5201
Optoma 2441 3121
Optonica 0341 1441
Orion 0281 0371 1771 1781
Panasonic 0051 0201 0951 1091
 1491 1571 1651 1831 1881 1961
 2151 2711 2801 3381 3401 3431
 3551 3771 4691 4781 4861 5201
 5481
Philco 0001 0251 0321 0961 1021
 1221 1671 1801 1961 2151 2321
 2941 3431 3931
Philips 0001 0161 0181 0321 0421
 0541 0661 0701 0791 0911 0961
 1021 1151 1171 1381 1391 1601
 1741 1801 1961 2151 2321 3031
 3131 3151 3171 3371 3391 3431
 3541 3591 3861 3911 3971 3981
 4191 4761 4791
Philips-Magnavox 0181 0681 0911
 1171 1961 2321 3591 4791 4991
Pilot 0001
Pioneer 0001 0401 1221 1371 1511
 1841 1981 4021 4661
Piva 2411 5021
Planar 4251
Polaroid 0191 0581 1241 2081
 2271 2311 2401 2451 3741 4631
 5131
Portland 0001 0251 1011 1081
 1221 1551
Precision 0621
Price Club 0351

Prima 0381 0581 0631 0871 2451
 3011
Princeton Graphics 1301 1441
Prism 0051
Proscan 0261 0811 1421 1691
 2061 2301 3421 4011
Proton 0001 0391 0641 1221 1911
 2231 4211 4221 4271
Protron 3731 4301
Proview 2401 2421 2431
Pulsar 0001 1771 1781
Pyle 3331
Quasar 0051 0201 1091 1491 1571
 1831 1881 1961 2151 3431 3551
 4691 5201
Radio Shack 0001 0141 0341 0931
 1001 1221 1261 1421 1571 1691
 1701 1911 1941 2111 2191 3421
 3551 4731 4921
RCA 0001 0051 0091 0141 0251
 0261 0361 0551 0811 0891 1001
 1131 1221 1331 1371 1421 1521
 1691 1851 1921 2011 2061 2111
 2151 2251 2301 2851 2951 3421
 3431 3571 4011 4921
Realistic 0001 0141 0341 0931
 1001 1221 1261 1421 1571 1691
 1701 1911 1941 2191 3421 3551
 4731
Rhapsody 0011
Runco 1771 1781 1841
Sampo 0001 0121 0391 0501 1221
 1911 4221
Samsung 0001 0101 0251 0261
 0331 0351 0531 0571 0711 0781
 1191 1221 1311 1501 1911 2071
 2141 2721 2741 2961 3301 3321
 3471 3561 4011 4941 4961 5471
 5521
Samsux 1221
Samtron 0351
Sansui 0211 0371 1631 5551
Santeca 0171
Sanyo 0001 0801 1051 1161 1261
 1531 1581 1911 2871 2881 2981
 2991 3051 3481 5001 5241 5251
 5261
Sceptre 3521 4071 5111
Scotch 0001 1221
Scott 0001 0021 0281 1221 1711
 1941 2191 3215 5141
Sears 0001 0211 0261 0351 0701
 0811 1221 1261 1291 1311 1381
 1421 1531 1581 1691 1711 1911
 1961 2021 3421 3481 4011 4761
Selectron 2471 2491 2501
Semp 3611
Sharp 0001 0341 0461 0681 0691

1221 1291 1441 2031 2201 2261
 2731 3181 3191 3201 3461 4751
 4991 5421
Shogun 0001
Signature 1421 1661 1691 2171
 3421
Signet 2811 2821 2861
Simpson 0961
Sonic 0011
Sony 1071 1641 1731 1901 2161
 2741 3531 3891 4101 4981 5321
Soundesign 0001 0961 1221 1711
 1941 2191
Sova 3631 4431
Soyo 4611 5101
Spectra 1611
Specravision 2341
Squareview 1381
SSS 0001 1941 2191
Star Sight 0061
Starlite 2191
Superscan 0701 1291 2021 4761
Supersonic 0241 4701
Supra 0001 1991
Supremacy 0151
Supreme 1901
SVA 0671 2101
Sylvania 0001 0321 0371 0701
 0931 0961 1021 1221 1381 1801
 1821 1961 2321 2761 3701 4731
 4761
Symphonic 0021 0701 0931 1381
 2191 4731 4761
Syntax 2431 5151 5161
Tandy 1441
Tatung 1141 1741 2151 3431
TCL 0091 1421 1691 1851 2011
 2061 2111 2301 2851 3421 3431
 3571 4921
Technics 0051
Techwood 0001 0051 1221
Teknika 0001 0151 0251 0351 0961
 1011 1221 1311 1421 1571 1661
 1691 1711 1911 1941 2191 3421
 3551
Telecaption 0821
Telerent 1421 1661 1691 3421
Tera 0001 0641
Tevion 1141
TMK 0001 1221
Toshiba 0211 0231 0341 0351 0821
 1121 1191 1261 1311 1351 1541
 1571 1621 1801 1841 1911 2691
 3211 3551 4891 4941 5081 5531
Trutech 2461 3821 4551
Universal 0791 1951
Venturer 3781
Victor 1481 4121

Videocon 4061
Vidtech 0001 0251 1221
Viewsonic 0501 1981 3751 3801
 4281 5301
Viking 0151
Viore 2831 2841 3681 5431
Visteon 3411
Vizio 1471 1741 2021 2901 3651
 3741 3851 4081 5561 5571 5581
 5591 5601 5611 5621 5631 5641
 5651 5661 5671 5681 5691 5701
 5711
Wards 0001 0021 0251 0321 0341
 0791 0961 1021 1221 1321 1421
 1661 1691 1711 1951 1961 3421
Westinghouse 0111 1901 2281
 3241 3251 3711 3851
White Westinghouse 0601 0931
 1081 1501 1521 1551 3641 4731
Yamaha 0001 0251 1221 1571 3551
Zenith 0001 0061 0131 0371 0681
 0691 0931 0941 0991 1011 1031
 1081 1171 1181 1191 1221 1251
 1271 1471 1631 1661 1751 1771
 1781 1791 2171 2291 3501 4201
 4321 4731 4751 4791 4941 4991
 5211 5271 5281

Recording a program using your DVR+



To record the current program you are watching on live TV, press **RECORD** on the remote control,
OR



To record a future event, press **GUIDE** on the remote. Use the navigation wheel to highlight the desired program, and then press **RECORD** on the remote control.



If more than one program with the same title is recorded, a folder is automatically created. To watch a program in the folder, first highlight and select the folder, then *View Folder Content*, and then the individual program. You can also delete all content in a folder by deleting the folder itself.



Note: The *Channel Master DVR+* receiver still records your programs when the receiver is in standby.

Playing back a recorded program on your DVR+



Press **DVR** on the remote.



Use the navigation wheel to highlight the program.



Press **OK** on the remote.

Select one of the displayed options and press **OK**:

- Play Recording (which plays back the event from the beginning)
- Resume Playback (if you have previously played back a portion)
- Delete
- Options

Deleting a recorded program on your DVR+



Press **DVR** on the remote.



Use the navigation wheel to highlight the program.



Press **OK** on the remote.



Select Delete from the displayed options and press **OK**.



Select the option to Confirm the deletion and press **OK**.

Managing recorded programs on your DVR+



Locking a recording with a password



Press **DVR** on the remote.
Use the navigation wheel to highlight the program.



Press **OK** on the remote.

Select **Options**.

Select **Lock** to lock the recording. A locked recording cannot be deleted until it is unlocked with a PIN.

If you have not set a PIN (numeric password), then you must enter and confirm one in order to lock a recording. If the recording has previously been locked, you need to enter the current PIN to unlock it. Then you can delete it.

Note: If you lose or forget your PIN, then please visit support.channelmaster.com using your computer.

Chapter 3



:: Using the DVR+

What you'll find in this chapter:

- Changing channels
- Controlling the audio
- Setting digital audio options
- Getting program information
- Adjusting languages and captioning
- Using the live pause feature on DVR+
- Using Internet-enabled online apps.

Using the DVR+ receiver

Changing channels

You can change channels on your DVR+ receiver in several ways.

When you are viewing live TV you can:

- Press the **CH+** or **CH-** button on the remote control, OR
- Enter the channel number using the numeric keypad.
- Press **GUIDE** on the remote to view the list of all currently available channels. Then highlight a current program on a different channel, press **OK** and select *Watch this program*.



Controlling the sound from your TV

- Press the **VOL+** or **VOL-** button on the remote control to raise or lower the volume on your TV.
- Press the **MUTE** button on the remote control to turn off the sound on your TV; press **MUTE** again or **VOL+** or **VOL-** to restore the sound.

Note: You must program your new Channel Master DVR+ remote to control the **VOL+** or **VOL-** and **MUTE** functions of your TV. See pages 10-15 for more information on programming your remote.

Controlling digital audio

Your new DVR+ receiver offers several digital audio features to enhance your enjoyment of many programs and events. Most of these options are in the Digital Audio Setup submenu within the *TV & Audio Setup* menu under *Settings*:

If channels are missing

If there are subscription-free over-the-air channels in your local area that you do not see listed in the DVR+ program guide, then try the following:

- Press **MENU** on the remote.
- Navigate on the left to select **SETTINGS**.
- Scroll the list to select **Technical Information**.
- Scroll the list to select **Signals and Network**.
- Verify that your Signal Strength and Signal Quality are both at least 30.
- If not, then readjust your OTA antenna.

If one channel is missing, perform a Manual Scan from the *Tuning* submenu. If several channels are missing, then perform a Full Re-Scan instead.

1

Press **MENU** on the remote.

2

Navigate on the left to **SETTINGS** and press **OK**.

3

Scroll the list of Settings to highlight **TV & Audio Setup** and press **OK**.

4

Scroll the list of items to highlight **Digital Audio Setup** and press **OK**.

Setting your digital audio options

Many programs and events, especially those broadcast with high-definition video, also feature multiple audio channels to enhance the enjoyment through your home theater. The following options on your DVR+ can be used with other compatible equipment:

- HDMI can be set to Stereo only if you are *not* connecting the HDMI output of your DVR+ to a device capable of multi-channel surround sound. The default setting for this output is Auto Stereo/Surround, which will output the best audio option present in the broadcast.
- Optical Digital Audio can be set to Stereo only if you are *not* connecting the OPTICAL output of your DVR+ to a device capable of surround sound. The default setting for this output is Multi-channel, which is supported by most equipment which will accept optical digital audio input(s).
- Midnight Mode helps you keep from disturbing others in your home by compressing the dynamic range (that is, how big a difference there is between the loudest and quietest sounds) of the digital audio output signal. The default setting for this mode is On.

Getting program information on your DVR+

A banner is displayed across the bottom of the screen for a few seconds whenever you change channels on your DVR+. This banner shows details about the current channel and programming. With this banner displayed, you can press the navigation buttons (up, down, right, and left) on the remote control to browse current or future program information for the next highest or lowest channel, or display the current or future programs scheduled on the current channel.

When watching live TV, pressing the **INFO** button on the remote control displays an info banner at the bottom of the screen. Pressing **INFO** again dismisses the banner. When you highlight a program on now or scheduled in the future displayed in the Program Guide, a box of more detailed information will be displayed about the highlighted program. Pressing **INFO** again dismisses the box.

You can also use information screens to help set a new recording or stop a recording in progress:

- Press the record button on the remote control to start recording a highlighted program on now, or to set a recording for a future program.
- Press the record or the stop button again on a current program to stop a recording in progress.

Adjusting languages and captioning

There are dedicated buttons on the DVR+ remote control to help you set preferences for your audio language and enable or disable closed captioning. While watching video using your DVR+:

- Press **AUDIO** on the remote and highlight the language for your audio. Some available languages may not be broadcast in stereo; changing digital audio options cannot override this.
- Press **CC** on the remote to turn on Closed Captions if they are currently off; press the button again to turn Closed Captions back off if they are currently on.

Using the live pause feature on your DVR+

While viewing programming on a channel, pressing the **PAUSE** button on your remote control activates an automatic memory buffer, capturing as much as 15 minutes of live TV. You can:

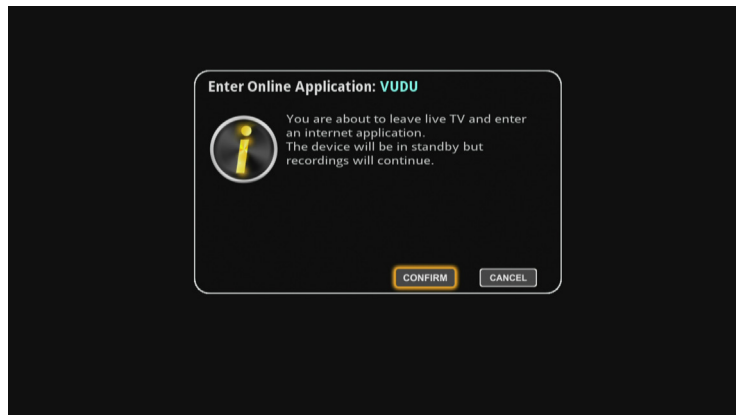
- Use the rewind, fast forward, skip back, skip forward, pause, and play functions of your remote control on the buffered programming. Note that you cannot move backward past the last DVR+ activation or channel change, or forward into the future.
- The live TV buffer is reset when you change channels or put your receiver into standby mode.
- If you install an external USB hard-disk drive, the live TV buffer is automatically started on each channel change and the capacity of the buffer is extended to as much as two hours of programming.

Using the VUDU service on your DVR+

For simplicity and ease of use, access to the Internet-enabled VUDU on-demand movie application is integrated into the Program Guide available on your DVR+. By accessing the channel 200 range (see page 20 on how to change channels) from your guide, the information banner or other screens, you exit from any over-the-air TV broadcast and enter the VUDU online application running on the DVR+. (You must select the Confirm option when prompted.) The DVR+ receiver will be placed in standby mode and recordings that you have set up or are in progress will continue uninterrupted.

Access to rent or buy VUDU movies on-demand using your DVR+ requires an account with the VUDU service. There are several methods you may use to get started, depending on whether you already have a VUDU username and password:

- If you do *not* have a VUDU or Walmart.com account, then you can browse for available movies on the service and sign up directly from within the Internet application on your DVR+ receiver.
- You also may use a computer to visit www.vudu.com, and then select the Sign Up link to get started.
- If you know your username and password for your existing VUDU account, you may sign in to it directly on your DVR+ receiver.
- If you have an account on Walmart.com, then you can use that username and password to get started.



4

Chapter



:: Menus and Options

What you'll find in this chapter:

- DVR+ Main Menu
- SEARCH
- DVR
- GUIDE
- SETTINGS
- Deleting an unwanted channel
- Setting up network connectivity
- Updating your DVR+ software.

Menus and Options

DVR+ Main Menu

The Main Menu on your DVR+ receiver is accessed by pressing the **MENU** button on the remote control and is displayed arranged vertically along the left-hand side of your TV screen.



Main Menu Items

The following items appear on, and can be highlighted and selected from, the DVR+ Main Menu:

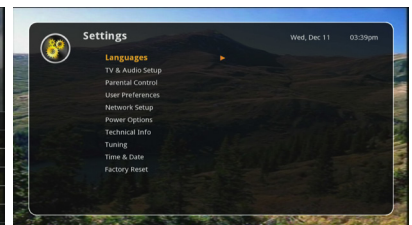
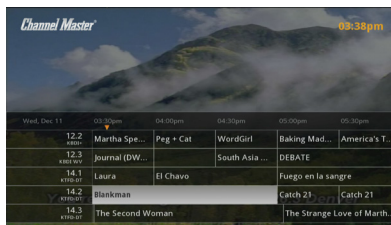
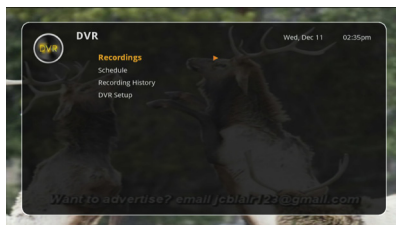
- **SEARCH**—to find a program to watch or record.
- **DVR**—to manage and play back your recordings.
- **GUIDE**—to browse what's on now and is scheduled to be broadcast in the future. Highlighting and selecting a program or event from the guide displays a pop-up options submenu.
- **SETTINGS**—to set your user preferences and change a variety of options available on your DVR+ receiver.

Menu Navigation

Your DVR+ receiver's menu screens can be navigated easily using the “D-pad” control in the center of your remote.

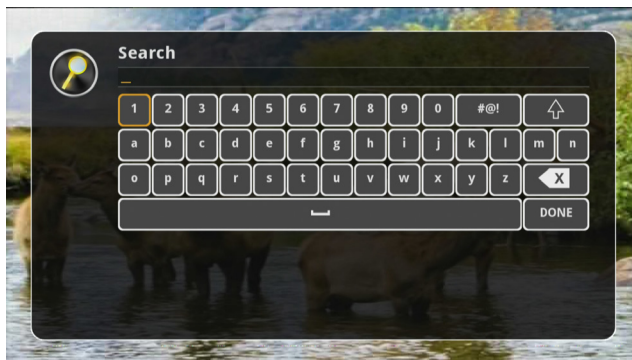


Pressing on the top center of the pad moves the cursor or highlight up; pressing on the bottom center moves it down; pressing the right-hand side moves right; pressing the left-hand side moves left. Finally, pressing the **OK** button in the center of the pad will select the currently highlighted item (like a program name) or option (like **Confirm** or **Cancel**) on your screen.



SEARCH

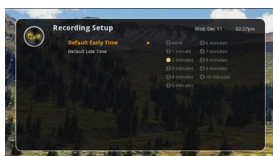
Your DVR+ receiver's Search function allows you to enter one or more keywords associated with programs or events you would like to find in the electronic Program Guide. After selecting SEARCH from the DVR+ Main Menu, use the navigation buttons on your remote to highlight and select characters, including letters and numbers, that spell out the keyword(s) you wish to find.



DVR

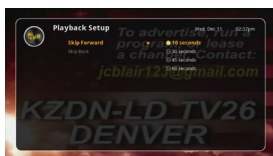
A Digital Video Recorder allows you to record your favorite shows, series and events without using tapes or a VCR. Selecting DVR from the Main Menu accesses the following screens and sub-menus:

- Recordings—also accessible directly from the remote control by pressing the **DVR** button. This shows the *DVR Recordings* screen listing all existing recorded programs and events.
- Schedule—accesses the *DVR Scheduled Recordings* screen showing programs or events that you have scheduled to record in the near future. Also accessed from the *DVR Recordings* screen by pressing the Blue remote button.
- Recording History—accesses the *DVR Recording History* screen showing programs or events that you have scheduled to record in the past. Also accessed from the *DVR Scheduled Recordings* screen by pressing the Blue remote button.
- *DVR Setup* submenu—contains the Recording Setup, Playback Setup, Re-initialize HDD, and Check Disk screens. Also accessed from the *DVR Recording History* screen by pressing the Blue remote button.



Recording Setup

- Set the default start early and end late times (0'-10')



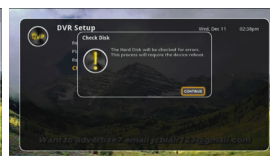
Playback Setup

- Set default Skip Fwd and Back times (10-60")



Re-Initialize HDD

- Reboot, erase and restore disk to new



Check Disk

- Reboot the disk and report errors

GUIDE

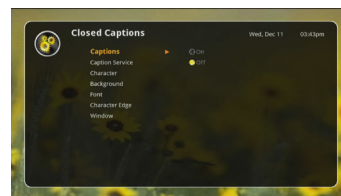
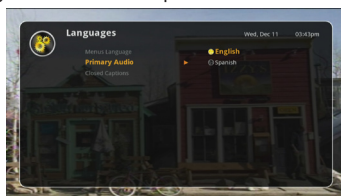
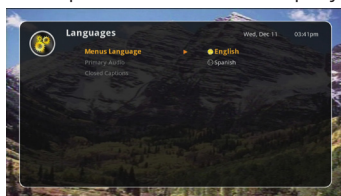
Selecting **GUIDE** from the Main Menu or pressing the **GUIDE** button on the remote control displays the Program Guide of the DVR+ receiver on your screen. From the guide, you can:

- Change channels to watch (or watch and record) a program on now.
- Set the DVR+ receiver to record a program on now or one scheduled in the future.
- Set a reminder for the time of a program that you want to be sure you do not miss.

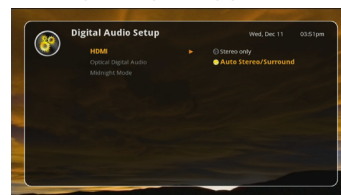
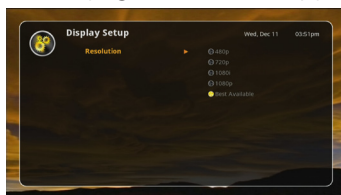
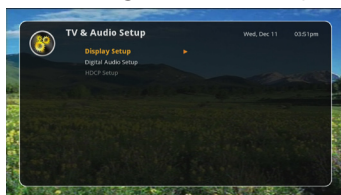
SETTINGS

Selecting **SETTINGS** from the Main Menu displays the **SETTINGS** menu, containing the following sub-menus and screens:

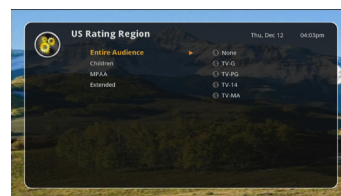
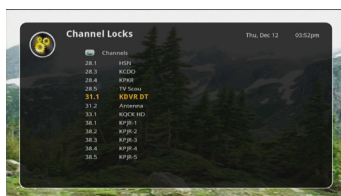
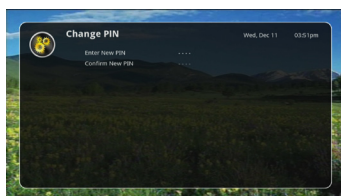
- **Languages**—to change the default language for the display of menus, the language of the Primary Audio (can also be changed using the **AUDIO** button on the remote control), as well as enabling/disabling Closed Captioning and setting a variety of other options related to displaying on-screen captions.



- **TV & Audio Setup**—to change the default Display Setup (to match your TV resolution), the Digital Audio Setup and HDCP (High-Definition Copy Protection) Setup, if applicable.

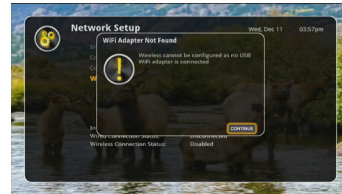
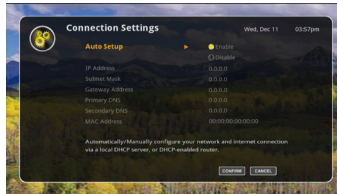
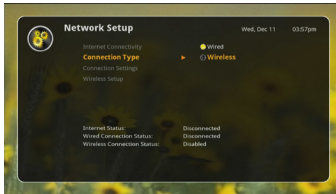


- **Parental Control**—to protect access based on channel or ratings. A numeric password, or PIN, must be set (or entered) and confirmed to enable this feature or change settings.

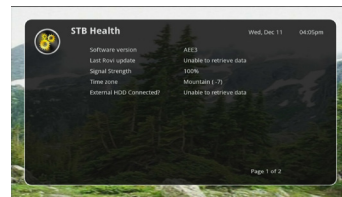
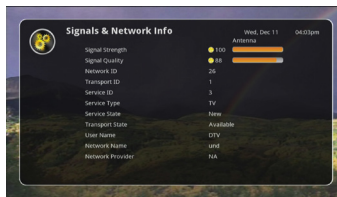
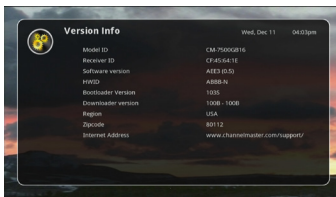


- **User Preferences**—to change the degree of Transparency of menu or guide screens. The default setting is Medium; High is more transparent, Low less so, and Solid is off.

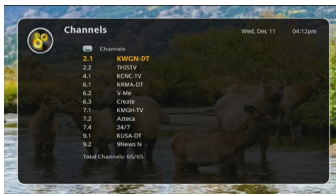
- **Network Setup**—to view or change the status and information about Internet connectivity, including setup of the optional USB WiFi adapter (see page 28).



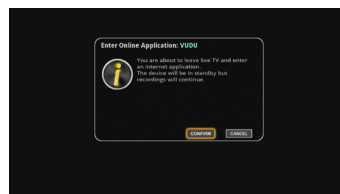
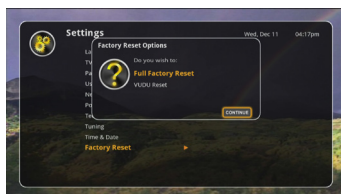
- **Power Options**—to change the Inactivity Standby setting from the default of 4 hours to either 5 or 6 hours (the Off setting is **not** recommended).
- **Technical Info**—to view information about your current DVR+ software version, the status of the OTA and/or network signal, the availability of any downloadable software updates (see page 29), the notices for related open-source software, or the screen detailing set-top box (STB) health.



- **Tuning**—to review currently available OTA channels, manually scan for one (or more) additional channels, or fully re-scan all channels (for example, after you have repositioned or replaced your OTA antenna for better broadcast TV reception).



- **Time & Date**—to set or change your Zip (Postal) Code, Time Zone and Country; enable or disable the automatic time-setting option and Daylight Savings Time (DST); and set the current time of day, as well as the date, month and year.
- **Factory Reset**—to access options to fully Factory Reset your DVR+ (erasing any user preferences you have changed from the factory default settings) or only VUDU Reset (erasing any VUDU online movie service account information you entered).



Deleting an unwanted channel

Pressing the **MENU** button, highlighting and selecting the *SETTINGS* menu, followed by the *Tuning* submenu, then *Channels* displays the list of scanned-in channels on your DVR+ receiver. If you need to delete a channel (for example, it is a duplicate of another channel or it is one that you never watch), then:

- Highlight the channel in the list that you want to delete.
- Press the red color button on your remote control. A confirmation message is displayed.
- Highlight and select CONFIRM to delete the highlighted channel from the list.

Setting up network connectivity

Pressing the **MENU** button, highlighting and selecting the *SETTINGS* menu, then the *Network Setup* submenu, displays on your screen the current status of your Internet, wired and wireless network connectivity as well as related items and screens. From here, you can:

- Enable (On) or disable (Off) *Internet Connectivity*. By default, connectivity is enabled.
- View or choose your *Connection Type*, either Wired (the default selection for using an Ethernet cable) or Wireless (for using an optional USB WiFi adapter; please visit www.channelmaster.com for details).
- View *IP Connection Settings* and disable (or re-enable) the Automatic Setup of the DVR+ Internet connection. If you select Enable (which is selected by default), the DVR+ receiver expects that it will be assigned its IP settings by a DHCP server (or DHCP-enabled router) residing on your local network. If you select Disable, then you will need to assign these settings manually yourself (for advanced users only).
- View or edit your Wireless Setup, if you chose Wireless as the *Connection Type*. (If Wired is selected as the *Connection Type*, the Wireless Setup item is unavailable.) To change *Wireless Connection Settings*, select Network Setup and choose to Scan for available wireless networks (if your network's SSID/name is publicly broadcast), or choose Manual (if your network SSID/name is not publicly broadcast).
- If you chose Scan, do the following:
 - Highlight and select the appropriate wireless network SSID/name from the displayed list.
 - Then use the on-screen keyboard to enter the WiFi network password (sometimes referred to as a key or passphrase).
 - Select DONE and the DVR+ receiver will try to connect to the specified network. Wait for confirmation that the connection is successful.
- If you chose Manual, do the following:
 - Highlight and select Network Name and use the on-screen keyboard to enter the (hidden) SSID/name.
 - Select DONE and then choose the network's Security Protocol (Open, WEP, WPA, or WPA2).
 - Finally, select Key and use the on-screen keyboard to enter the WiFi network password or passphrase.
 - The DVR+ receiver will try to connect to the specified network. Wait for confirmation that the connection is successful.

Updating your DVR+ software

By pressing the **MENU** button, highlighting and selecting the *SETTINGS* menu, followed by the *Technical Info* submenu, and then Software Updates, you can:

- Manually Check for downloads. Note that a DVR+ receiver with an active connection to the Internet will periodically check for downloads automatically.
- When new downloadable software is available, a pop-up message is displayed. Follow the on-screen instructions to download and install the update.
- Wait for your DVR+ receiver to restart automatically and begin updating software. Do not turn off or remove power from the DVR+ receiver until the entire update process has been successfully completed.
- This process may take as long as 5 minutes, after which the DVR+ receiver will restart again running the updated software. You can now operate your DVR+ receiver normally.

To update your DVR+ receiver's software manually (for example, your DVR+ receiver is not Internet connected), you must:

- Ensure you have an empty USB flash-memory (or thumb) drive formatted as FAT or FAT32. Then download the software update file from the www.channelmaster.com/website and save it on the flash drive.
- Ensure that your DVR+ receiver is turned on (and not in standby mode), and then insert the drive with the update into one of the USB ports on the DVR+ rear panel.
- Wait for your DVR+ receiver to detect the updated software and display the version information. When prompted by the pop-up message, select CONFIRM to begin installing the update. See page 34 for more information about messages you may see displayed.
- Wait for your DVR+ receiver to restart automatically and begin updating software. Do not turn off or remove power from the DVR+ receiver until the entire update process has been successfully completed.
- This process may take as long as 5 minutes, after which the DVR+ receiver will restart again running the updated software. You can now operate your DVR+ receiver normally.

5

Chapter



:: Troubleshooting

What you'll find in this chapter:

- Possible issues
- Suggested actions.

Troubleshooting

Signal Issues

- Verify the coax cable to the over-the-air antenna is connected to both the RF IN port on the back of the receiver (hand-tighten only) and also to the over-the-air antenna.
- Verify your antenna has not been moved out of proper alignment. This can cause signal loss on some or all channels.
- Reset the receiver by pressing and holding the **POWER** button located on the front panel. Verify that the LED is red or bright blue.
- If reset doesn't work (the LED is dim blue), then place the receiver in standby (press the **POWER** button), unplug it from the outlet for 15 seconds, then plug it back in. Press the button to turn it back on.
- If you see image pixelization, verify your signal strength and quality by pressing the **MENU** button, highlighting and selecting the *Settings* menu, the *Technical Info* submenu and then *Signals and Network*.
- The DVR+ is only capable of receiving digital TV channels and will not tune to a channel that is still broadcasting analog TV signals.
- Visit antennaweb.org on a computer to find out which channels in your area are broadcasting digital TV signals.

Program Guide Issues

- Verify the DVR+ receiver is connected to broadband Internet service (recommended) in order to access an extended guide for as much as 14 days of programming. You can view current information about this connection by pressing the **MENU** button, highlighting and selecting the *Settings* menu, and then the *Network Setup* submenu.
- When extended guide data is available over your network connection, both the guide screen and also info banner will display "Powered by Rovi." You can use the color buttons on the remote control to navigate within the program guide (see page 7).
- Verify your extended guide data is up to date. Typically, this data is updated every 24 hours. You can view when the guide was last updated by pressing the **MENU** button, highlighting and selecting the *Settings* menu, the *Technical Info* submenu and then *STB Health*.
- If your DVR+ receiver is not connected to the Internet, then the DVR+ populates the program guide with data from the broadcast signals. Each channel decides how to populate this data, so the amount varies. Your receiver displays as much as possible.

Online Apps Issues (network connection is required)

- Verify your DVR+ is connected to the network either by a wired connection (using an Ethernet cable) or a wireless connection (using the optional USB WiFi Adapter). Press the **MENU** button, highlight and select the *Settings* menu and then the *Network Setup* submenu.
- Verify that you can access the Internet from other devices connected to the same network. If there are problems accessing the Internet, check your network equipment (for example, the WiFi router or access point). Verify the connections are correct using the documentation provided with the equipment.

- If your network equipment appears to be working correctly, but you still cannot access the Internet from devices connected to the network, contact your Internet service provider for assistance.
- To enjoy high-quality video streaming from online applications such as VUDU, a 2 Mbps minimum connection speed is recommended. If you are not sure of your connection speed, check with your Internet service provider.

Remote Control Issues

- Ensure the batteries are functional; when you press a button on the remote control, the **POWER** button (or **TV POWER** button) should light up briefly.
- Ensure the batteries are installed as indicated on the diagram inside the battery compartment, and that you have pulled out the arrow-shaped piece of plastic to remove it from the compartment for first use of the remote. Old (discharged) batteries should be replaced with (2) fresh CR2032 batteries.
- Ensure you are holding the remote control with the lens at the top of the remote pointing directly at the front of your DVR+.
- Ensure that the IR window in the center of the DVR+ front panel is not covered or obstructed. If your DVR+ receiver is installed in a location without a clear line-of-sight to the remote, you can obtain an optional IR extender; visit support.channelmaster.com for more information on this and other accessories.
- If the remote controls your DVR+ but not your TV, then ensure the remote is set up correctly to control your TV (see pages 11-13). You will need to do this whenever you change batteries.

Recording Issues

- Your DVR+ receiver must be powered on or in standby mode when a program or event is scheduled for it to be recorded.
- If your external disk cannot be detected by DVR+ software or is not working correctly, first try the Check Disk option on the *DVR Setup* submenu of the *DVR* menu. This will reboot the drive.
- If you would like to keep more recordings than there is space on internal memory, consider purchasing a USB external hard-disk drive for additional storage and connecting it to one of the USB ports on your DVR+ rear panel (see page 4). When an external drive is connected, additional DVR features are made available such as recording two programs at once and pausing live TV.
- View issues causing DVR timers to fail (such as insufficient tuners, recording capacity or signal strength) by pressing the **MENU** button, highlighting and selecting the *DVR* menu, then *Recording History*.
- Verify that event timers are set as DVR timers, not as Reminder timers. Confirm an event recording is set up by looking for a red triangle on the corner of the guide listing for the event.
- Verify that there is sufficient storage space for your recordings. You can delete any watched recordings to save space.
- To enable simultaneous recording of programs on two different channels, connect an external USB hard-disk drive. For more details, visit www.channelmaster.com.

Audio Issues

- If your DVR+ receiver's audio sounds distorted, then you can:
 - Try a different channel to see if the fault lies in the transmission of the signal.
 - Try to see if the fault lies with your reception of the channel's signal(s) by ensuring that your over-the-air antenna is installed and aimed correctly (for example, away from tall buildings and metal obstacles).
 - Verify the strength and quality of your OTA signal by pressing the **MENU** button, highlighting and selecting the *Settings* menu, followed by the *Technical Info* submenu, then *Signals & Network*.
 - Verify the cables between your antenna and DVR+ receiver, as well as the HDMI cable between your DVR+ receiver and TV, are connected correctly.
 - If the audio issue persists, change the HDMI audio output for the DVR+ receiver to Stereo Only by pressing the **MENU** button, highlighting and selecting the *Settings* menu, followed by the *TV & Audio Setup* submenu, then *Digital and Audio Setup*.

Software Update Issues

- If you are manually updating your DVR+ software using a USB flash-memory drive, you may see one of the following messages displayed after inserting the drive into a USB port:
 - EHD Insufficient Disk Size. Some flash-memory drives have multiple small partitions, or even zero partitions. Try reformatting the drive to have a single primary partition, or you may want to try using a different flash drive.
 - A USB download has been detected which is already present on your device. In this case, your DVR+ receiver has been updated to the same version of software as you have on the flash drive. It is up to date, so no update is needed.

Parental Control Issues

- I change the channel and a Locked Channel message is displayed requesting the PIN (password). Parental Control has been activated and the channel has been locked. See page 26.
- I change the channel and a Parental Lock Activated or Rating Locked message is displayed requesting the PIN (password). The program or event currently on this channel has been locked. See page 26.
- I choose a program or event in the guide and a message is displayed requesting a PIN (password). Parental Control has been activated and the channel or the program or event has been locked. See page 26.

Chapter 6



:: FCC, Warranty, OSS

What you'll find in this chapter:

- FCC Statement
- Limited Warranty
- Open Source Software Notices.

FCC Statement, Limited Warranty, OSS

The following FCC Statement applies to DVR+

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

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

Do not make changes or modifications to this equipment. This could void the user's authority to operate the equipment.

The following Limited Warranty applies to DVR+

Limited Warranty Period:

CHANNEL MASTER DVR+ has a limited (1) year Warranty from the original purchase date with a valid proof of purchase from an authorized retailer. A sales receipt or other document showing that you purchased the product is considered proof of purchase. Certain limitations and exclusions apply.

What is covered by this limited warranty?

CHANNEL MASTER warrants the original CHANNEL MASTER branded product hardware and accessories contained in the original packaging against defects in materials and workmanship when used normally in accordance with CHANNEL MASTER's published guidelines for a period of (1) year from the date of original purchase by the end-user purchaser. CHANNEL MASTER's guidelines include but are not limited to information contained in technical specifications, user manuals and service communications. (90) Days of complimentary software/user support is also included in this Warranty, software and user support outside of (90) days will be subject to additional charges. This Warranty is valid only in the United States and Canada.

What is NOT covered by this limited warranty?

This Warranty does not apply to any non- CHANNEL MASTER branded hardware products or any software and data services, even if packaged or sold with CHANNEL MASTER hardware. Manufacturers, suppliers, or publishers, other than CHANNEL MASTER, may provide their own warranties to you but CHANNEL MASTER, in so far as permitted by law, provides their products "AS IS". Software distributed by CHANNEL MASTER with or without the CHANNEL MASTER brand (including, but not limited to system software) is not covered by this Warranty. Please refer to the licensing agreement accompanying the software for details of your rights with respect to its use. CHANNEL MASTER does not warrant that the operation of the CHANNEL MASTER product will be uninterrupted or error-free. CHANNEL MASTER is not responsible for damage arising from failure to follow instructions relating to CHANNEL MASTER's product use. Shipping charges to return products under warranty back to CHANNEL MASTER is not covered.

How to Obtain Warranty Service?

Consumers with a valid proof of purchase from an authorized retailer can return any In-Warranty CHANNEL MASTER product to the Warranty department for repair or replacement. For In-Warranty service the consumer must email Technical Support and request an RMA number in order to return the product. The returned product must have the RMA number visible on the box and must include the bill of sale showing the unit is within the warranty period. If the unit is found to be defective under our Warranty Policy CHANNEL MASTER will repair or replace the item at no charge. Products outside of the warranty period should not be returned to CHANNEL MASTER with the exception of any product requested by Technical Support to be accessed for quality assurance purposes. Technical Support: techsupport@channelmaster.com

GENERAL TERMS:

1.1 Subject to the provisions of this Warranty, CHANNEL MASTER warrants that the equipment described in Paragraph 1.2 will conform to our specifications in all material respect and that the equipment will be free from material defects in materials and workmanship during the Limited Warranty period.

1.2 This Warranty applies to all original purchases by consumers of CHANNEL MASTER products ("Equipment"). The warranties set forth herein are not transferable. 1.3 The Effective period of this Warranty will start on the date of purchase of the Equipment from an authorized retailer and will end, for the Equipment, (1) year later (for all hardware and components). Software is not covered even if packed or sold with CHANNEL MASTER hardware, unless otherwise expressed or provided herein (in each case the "Warranty Period").

RETURN OF EQUIPMENT UNDER WARRANTY:

2.1 If an item of Equipment malfunctions or fails in normal use within the applicable Warranty Period: (a) The Customer shall notify CHANNEL MASTER within thirty (30) days of the problem. (b) CHANNEL MASTER will, at its option, either resolve the problem over the telephone or provide the customer with a Return Authorization ("RMA") Number and the address to which the customer may ship the defective item; (c) If the problem can not be resolved over the telephone, the Customer shall attach a label showing the RMA number to each returned item, and include a description of the problem. The Customer shall, at his or her own cost, properly pack the item to be returned, mark the RMA# on the outside of the box, prepay the insurance and shipping charges, and ship the item to the specified CHANNEL MASTER location. (d) Unauthorized return of any equipment, whether in or out of warranty, will be subject to a handling charge, in addition to all repair and all transportation charges. (e) CHANNEL MASTER will, at its sole option, repair or replace the returned item. If replaced, the replacement item may be new or refurbished; if refurbished it will be equivalent in operation to new Equipment. If a returned item is replaced by CHANNEL MASTER, the Customer agrees that the returned item will become the property of CHANNEL MASTER. (f) CHANNEL MASTER will complete the exchange of CHANNEL MASTER manufactured equipment returned under this Warranty within a reasonable time, subject to lead-times from factory, and will make a good faith effort to minimize any and all delays where possible; and (g) CHANNEL MASTER will, at its cost, ship the repaired item or replacement to the Customer. If the Customer requests express shipping, the Customer will pay CHANNEL MASTER an expediting fee. 2.2 Equipment which is repaired or replaced by CHANNEL MASTER under this Warranty will be covered under all of the provisions of this Warranty for the remainder of the applicable Warranty period (for that particular equipment). 2.3 If equipment is repaired beyond effective warranty dates or if abnormal usage had occurred, Customer shall be charged applicable rates and the Customer will be advised of the estimated charges prior to repair by CHANNEL MASTER's authorized service center. 2.4 The price of out-of-warranty repairs payable by the Customer will be based on standard labor and parts prices in effect at the time of the repair. CHANNEL MASTER will use its best efforts to ensure that the cost of such repair, exchange, refurbishing, or substitution will not exceed the original price of Product. 2.5 If the problem reoccurs within the warranty period, CHANNEL MASTER will, at its option: (a) re-perform the service; (b) replace the product pursuant to the terms of this warranty, (c) permit Customer to return the product and issue a refund pursuant to this warrant, or (d) refund the amount the Customer paid for the services.

PRODUCT MODIFICATION:

3.1 CHANNEL MASTER reserves the right to make changes or improvements to its products, during subsequent production, without incurring the obligation to install such changes or improvements on previously manufactured or sold products. **FORCE MAJEURE:** 4.1 CHANNEL MASTER will not be liable if its performance under this warranty becomes commercially impracticable due to any contingency beyond CHANNEL MASTER's reasonable control, including acts of God, fires, flood, wars, sabotage, civil unrest, accidents, labor disputes or shortages, government laws, rules and regulations, whether valid or invalid, inability to obtain material, discontinuation of third part data or services, equipment or transportation, incorrect, delayed or incomplete specifications, drawings or data supplied by Customer (collectively "Force Majeure").

LIMITATIONS AND QUALIFICATIONS OF WARRANTY:

5.1 This Limited Warranty extends only to the original purchaser of the Equipment and is in lieu of all other express or implied warranties, including those of merchantability and fitness for a particular purpose. This Warranty does not apply to any damage, defect of failure caused by: (a) any part of the equipment having been modified, adapted, repaired, maintained, transported or relocated by any person; (b) Storage or environmental characteristics which do not conform to the applicable sections of the appropriate Equipment Manual or Instruction Sheet; (c) Failure to conform with the Equipment Operating Instructions in the applicable Equipment Manual or Instruction Sheet; (d) External causes, including external electrical stress or lightning, or use in conjunction with incompatible equipment, unless such use was with CHANNEL MASTER's prior written request; (e) Cosmetic damage; (f) Accidental damage, negligence, modification, mishandling, abuse or misuse; or (g) Force Majeure. Warranty does not cover: (a) Labor charges for installation or setup of the product. (b) Any taxes imposed on CHANNEL MASTER for units replaced or repaired under this warranty. (c) Installation, performance of, or repair of: audio/video cabling, telephone line, or accessory attachments used with the product. (d) Product replacement because of misuse, accident, lightning damage, unauthorized repair, or other cause not within the control of CHANNEL MASTER. Please note that removing the cover of the Unit for any reason voids the warranty.

(e) Reception transmission problems caused by signal conditions, telephone line, or cable or antenna systems outside the unit. (f) Damages to, or viruses that may infect your Unit or other devices arising from the use of unauthorized third party devices in connection with your Unit. (g) Incidental or consequential damages resulting from the product. (Some states (or jurisdictions) do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.) (h) A product that has been modified or adapted to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications. (i) A product used for commercial or institutional purposes. (j) Access connections (telephone or broadband), including charges from your communications provider.

LIMITATION ON DAMAGES:

6.1 THIS WARRANTY IS THE CUSTOMER'S EXCLUSIVE WARRANTY FOR THE EQUIPMENT, CHANNEL MASTER SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. 6.2 CHANNEL MASTER WILL NOT BE LIABLE IN TORT, INCLUDING LIABILITY IN NEGLIGENCE OR STRICT LIABILITY, AND WILL HAVE NO LIABILITY AT ALL FOR INJURY TO PERSONS OR PROPERTY. CHANNEL MASTER'S LIABILITY FOR FAILURE TO FULFILL ITS OBLIGATIONS UNDER THIS WARRANTY OR ANY OTHER LIABILITY UNDER OR IN CONNECTION WITH THE EQUIPMENT WILL BE LIMITED TO THE AMOUNT OF THE PURCHASE PRICE OF THE EQUIPMENT AT THE TIME OF ORIGINAL PURCHASE. THE REMEDIES STATED IN THIS WARRANTY ARE THE CUSTOMER'S EXCLUSIVE REMEDIES AGAINST CHANNEL MASTER REGARDING THE EQUIPMENT. 6.3 EVEN IF CHANNEL MASTER HAS BEEN NOTIFIED OF THE POSSIBILITY OF THEM, CHANNEL MASTER WILL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS AND REVENUES, FAILURE TO REALIZE EXPECTED SAVINGS, ANY CLAIM AGAINST A CUSTOMER BY A THIRD PARTY, OR ANY OTHER COMMERCIAL OR ECONOMIC LOSSES OF ANY KIND. 6.4 THESE LIMITATIONS AND DISCLAIMERS ARE NOT MADE BY CHANNEL MASTER WHERE PROHIBITED BY LAW.

The following Open-Source Software Notices apply to DVR+

This product uses certain open source operating system software distributed pursuant to GNU General Public Licence Version 2 and GNU Lesser General Licence Version 2.

The following software components are licensed under the GNU General Public License (GPL) version 2, a copy of which is provided with this product.

GNU GENERAL PUBLIC LICENSE Version 2, June 1991 Copyright © 1989, 1991 Free Software Foundation, Inc., Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Linux Kernel

Copyright © 1991-2007 Linus Torvalds and other contributors

Busybox

Copyright © 1999 - 2007 Bruce Perens, Erik Andersen, Rob Landley, Denys Vlasenko and other contributors.

Badblocks

Copyright © 1992 - 1994 Remy Card, 1995 - 1999 Theodore Ts'o, 1999

David Beattie

Copyright © 1998 - 2008 Patrick McHardy, Harald Welte, Jozsef Kadlecsik, Martin Josefsson, Yasuyuki Kozakai, Pablo Neira Ayuso, James Morris, Marc Boucher, Rusty Russell and other contributors.

libstdc++

Copyright © 1988 - 2009 Free Software Foundation, Inc.

libgcc_s

Copyright © 1988 - 2007 Free Software Foundation, Inc.

gcc

Copyright © 1989, 1992 - 2008 Free Software Foundation, Inc.

e2fsck

Copyright © 1993, 1994, 1995, 1996, 1997 Theodore Ts'o

fdisk

Copyright © 1992 A. V. Le Blanc

fsck

Copyright © 1993 - 2005 Theodore Ts'o.

Ifconfig

Copyright © 1993 MicroWalt Corporation

kill

Copyright @ 1993 David I. Bell, 1999, Rt-Control Inc., 2000 Lineo, Inc.
libav

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
libglib

Copyright (C) 1991 Free Software Foundation, Inc.
libiconv

Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>
libintl

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
mke2fs\212

Copyright @ 1994 - 2005 Theodore Ts'o.
ps

Copyright @ 1998-2002 by Albert Cahalan;
route

Copyright @ 1994 Free Software Foundation, Inc.
sfdisk

Copyright @ 1995 Andries E. Brouwer
shared-mime

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
tune2fs

Copyright @ 1992 - 1994 Remy Card
wpa_supplicant

copyright 2002-2012 Jiuni Malinen and contributors

The following software components are licensed under the GNU Lesser General Public License (LGPL) version 2.1, a copy of which is provided with this product.

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

Copyright @ 1991, 1999 Free Software Foundation, Inc.

ld-uClibc-0.9.29

Copyright @ 1994-2000 Eric Youngdale, Peter MacDonald, David Engel, Hongjiu Lu and Mitch D'Souza

libdirectfb

(c) Copyright 2001-2007 The DirectFB Organization (directfb.org)

(c) Copyright 2000-2004 Convergence (integrated media) GmbH All rights reserved.

Written by Denis Oliver Kropp <dok@directfb.org>,
Andreas Hundt <andi@fischlustig.de>,
Sven Neumann <neo@directfb.org>,
Ville Syrjälä <syrjala@sci.fi> and
Claudio Ciccani <klan@users.sf.net>.

libnl

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

libproc-3.2.8

Copyright @ 1995 Martin Schulze, 1996 Charles Blake

libtermcap

Copyright @ 1985, 1986, 1993 - 1995 Free Software Foundation, Inc.

Libusb

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

uClibc

Copyright @ 1999 - 2007 Erik Andersen, Mike Frysinger, Ricard Wanderlof,
Joakim Tjernlund, Paul Mundt, Jan-Benedict Glaw and other contributors.



199646