Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for LG RCT699H. You'll find the answers to all your questions on the LG RCT699H in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

LG
Life's Good

ENGLISH

OWNER'S MANUAL
Digital & Analog DVD
recorder/VCR player combi

Please read this manual carefully before operating
your set and retain it for future reference.

RCT699H

www.lg.com

Manual abstract:

WARNING: Do not install this equipment in a confined space such as a book case or similar unit. CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings shall be never be blocked by placing the product on a bed, sofa, rug or other similar surface. @@@@@@@@To prevent direct exposure to laser beam, do not try to open the enclosure. CAUTION concerning the Power Cord Most appliances recommend they be placed upon a dedicated circuit; That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous.

Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. To disconnect power from the mains, pull out the mains cord plug.

When installing the product, ensure that the plug is easily accessible. 1 Getting Started 4 Getting Started This device is equipped with a portable battery or accumulator. 1 Getting Started Safety way to remove the battery or the battery from the equipment: Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste.

It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the direct sun light. CAUTION: The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus. Disposal of waste batteries/ accumulators 1. When this crossed-out wheeled bin symbol is attached to batteries/accumulators of Your product it means they are covered by European Directive 2006/66/EC. 2. This symbol may be combined with chemical symbols for mercury(Hg), cadmium(Cd) or lead(Pb) if the battery Contains more that 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.

3. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. 4. The correct disposal of Your old batteries/ accumulators will help to prevent potential negative consequences for the environment, animal and human health. 5. For more detailed information about disposal of Your old batteries/ accumulators, please contact Your city offi ce, waste disposal service or the shop where You purchased the product. Disposal of your old appliance 1. ☐ When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC. 2. ☐ All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

3. ☐ correct disposal of your The old appliance will help prevent potential negative consequences for the environment and human health. 4. ☐ more detailed information For about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product. LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC, 2006/95/EC, 2009/125/EC and 2011/65/EU.

Contact office for compliance of this product: LG Electronics Inc. EU Representative, Krijgsman 1, 1186 DM Amstelveen, The Netherlands Getting Started 5 Notes on Copyrights yy Recording equipment should be used only for lawful copying and you are advised to check carefully what is lawful copying in the area in which you are making a copy. Copying of copyright material such as films or music is unlawful unless permitted by a legal exception or consented to by the rights owner. yy 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 authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited. yy CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 625p UNIT PLEASE CONTACT OUR CUSTOMER SERVICE CENTRE. 1 Getting Started 6 Table of Contents Table of Contents Getting Started 3 8 8 8 8 9 10 10 11 12 13 13 Safety Information Introduction – About the "7" Symbol Display – Symbols Used in this Manual – Supplied Accesorries – Recordable Discs – Recommended recordable DVD discs – Playable Discs – File compatibility Remote control Front panel Rear panel System Setting 21 22 22 22 23 23 23 25 25 27 28 29 31 32 Auto Set Up Home Menu Overview General Settings – Adjust the Setup Settings – Auto Programming – Manual Channel Add – Program Edit – Auto Clock Set – Manual Clock Set Language Settings Audio Settings Lock Settings Recording Settings Disc Settings Operating 34 General Explanation of On-Screen Display 34 – Displaying Information While Watching TV 34 – Displaying Information on-screen 35 TV Viewing 35 – Viewing the EPG (Electronic Programme Guide) 36 – Program Selection 38 Playing a DVD 38 – Playback Setup 38 – General Features 41 Playing a VCR 41 – Preparation 41 – Normal Playback 42 – Playing a DivX Movie Disc 44 – Playing an Audio CD or MP3/WMA Disc 45 – Viewing a JPEG File 47 DVD Recording 47 – DVD Recording 48 – Basic Recording from a TV 49 – Instant Timer Recording 49 – Timer Recording 51 – Recording from External Components 52 DVD Editing 52 – Title List and Chapter List Menu Overview 53 – VR Mode: Original and Playlist Editing Connecting 14 14 Connecting to Your TV – Antenna connection to your TV and this unit 15 – HDMI Connection 16 – Component Video Connection 16 – Scart connection 17 Connecting to an Amplifier 17 – Connecting to an Amplifier via Digital Audio Output 18 – Connecting to an Amplifier via 2 Channel Audio Output 19 Connection to Another device 19 – Accessory Audio/Video (A/V) Connections to Recorder 19 – Connecting a Digital Camcorder 20 USB device connection 20 – Playback content in the USB device 20 – Compatible USB Flash Drive Table of Contents 60 60 60 61 Dubbing – Dubbing from VCR to DVD – Recording from DV Input – Recording from a Digital Camcorder 7 1 Troubleshooting 62 62 62 63 63 64 Troubleshooting – General – Resetting the unit – Playback – Recording – HDMI 2 Appendix 65 Controlling a TV with the Supplied Remote Control 65 – Setting up the remote to control your TV 66 Area Code List 67 Language code List 68 Trademarks and Licenses 69 Specifications 71 Maintenance 71 – Handling the Unit 71 – Notes on Discs 3 4 5 6 8 Getting Started Introduction 1 Getting Started Supplied Accesorries About the "7" Symbol Display "7" may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific media.

Remote control (1) Battery (1) Symbols Used in this Manual Note ,, Indicates special notes and operating features. RF cable (1) Caution >> Indicates cautions for preventing possible damages from abuse. A section whose title has one of the following symbols are applicable only to the disc represented by the symbol.

What is SIMPLINK? DVD ALL -RWVR -RWVideo +RW -R +R DVD ACD MP3 WMA All DVD discs listed below DVD-RW with VR recording mode DVD-RW with Video reocording mode DVD+RW disc DVD-R disc DVD+R (DL) disc DVD-Video disc Audio CDs MP3 files WMA files JPEG files Video Tape DivX files Some functions of this unit are controlled by TV's remote control when this unit and LG TV with SIMPLINK are connected through HDMI connection. yy Controllable functions by LG TV's remote control; Play, Pause, Scan, Skip, Stop, Power Off, etc. yy Refer to the TV owner's manual for the details of SIMPLINK function. yy LG TV with SIMPLINK function has the logo as shown above. JPEG VCR DivX Getting Started 9 Recordable Discs DVD-RW: -- DVD-RW discs can be formatted for VR mode recording or Video mode recording. -- These Discs can be recorded on repeatedly. Recordings can be erased, then you can record again on the same Disc. [VR mode] -- Recordings can be extensively edited. -- Playable only on VR mode compatible players (after finalization). [Video mode] -- Playable on regular DVD players (after finalization) -- Limited editing features.
DVD-R: -- These Discs can be recorded only once. After you finalize a DVD-R, you cannot record on it or edit it. -- DVD-R discs can be only formatted to Video mode. -- Playable on regular DVD players (after finalization). -- Limited editing features.
DVD+RW: -- These Discs can be recorded on repeatedly. Recordings can be erased, then you can record again on the same Disc. -- Playable on DVD+RW compatible players (automatically finalization). -- The edited contents are playable on DVD+RW compatible players only after finalization. -- Recordings can be edited the title/chapter DVD+R: -- These Discs can be recorded only once.
After you finalize a DVD+R, you cannot record on it or edit it any more. -- Playable on DVD+R compatible players (after finalization). -- Any edited contents are equency: within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA) Bit rate: within 8 - 320kbps (MP3), 32 - 192kbps (WMA) yy This unit cannot support the ID3 Tag embedded MP3 file. yy The total playback time indicated on the screen may not correct for VBR files. 1 Getting Started Note ,, Photo Files Recommended size: Less than 4MB recommended yy Progressive and lossless compression photo image files are not supported. yy Depending on the size and number of the JPEG files, it may take several minutes to read the contents of the media. Video Files Available resolution size: 720 x 576 (W x H) pixels Playable subtitle: ".smi", ".srt", Playable Codec format: "DIV3", "MP43", "DIVX", "DX50" Playable Audio format: "AC3", "PCM", "MP2", "MP3", "WMA" yy Not all the WMA Audio format is compatible with thisvarious ways you could connect the unit. Use only one of the connections described in this manual.

yy Please refer to the manuals of your TV, Stereo System or other devices as necessary to make the best connections. yy Make sure the player is connected directly to the TV. Tune the TV to the correct video input channel. yy Do not connect the player's AUDIO OUT jack to the phono in jack (record player) of your audio system. yy Do not connect your player via your VCR. The image could be distorted by the copy protection system. Antenna connection to your TV and this unit Remove the antenna cable plug from your TV set and insert it into the antenna socket at the back of the recorder. Plug one end of the antenna cable into the TV socket on the recorder and the other end into the antenna input socket on your TV set. Connect one end of the RF cable to ANTENNA OUT(TO TV) jack on the unit and other end to ANTENNA IN jack on your TV. Passes the signal from the ANTENNA IN jack to your TV/monitor. Connect the ANTENNA IN jack on the unit. If you want to use an indoor antenna, use one with a signal amplifier rated at 5V, 100mA and set [Antenna Feed 5V] to [ON] in the setup menu (See page 26). ANTENNA (Digital or Analog) TV 2 Connecting Note ,, RF Cable Rear of this unit Please observe that this recorder is not designed for the reception of regular digital cable-TV signals (QAMsignal). Despite this, operators of smaller cable networks may have chosen to distribute the digital terrestrial signals (COFDM-signal) in the network. In this case this recorder may well be used.
Check with your landlord if you are insecure about what type of TV-signal that is provided in the wall antenna outlet. Note ,, Connecting 15 HDMI Connection If you have a HDMI TV or monitor, you can connect it to this player using a HDMI cable (Type A). Connect the HDMI jack on the unit to the HDMI jack on a HDMI compatible TV or monitor. yy When you use the HDMI connection, you can change the resolution (576i, 576p, 720p, or 1080i) for the HDMI output using RES. button on the front panel.
yy If your TV is NOT capable of handling 96 kHz sampling frequency, set the [Sampling Freq.] option to [48 kHz] on the setup menu (See page 28). yy @@yy If your TV is not equipped with Dolby Digital and MPEG decoder, set the [Dolby Digital] and [MPEG] options to [PCM] on the setup menu (See page 28). Note ,, Rear of this unit 2 Connecting HDMI cable TV yy If your TV is not equipped with DTS decoder, set the [DTS] options to [OFF] on the setup menu (See page 28). To enjoy DTS multi channel surround, you must connect this recorder to a DTS compatible receiver via one of this recorder's digital audio outputs. yy The arrow on the cable connector body should face up for correct alignment with the connector on the recorder. If your TV is NOT capable of handling 96 kHz sampling frequency, set the [Sampling Freq.] option to [48 kHz] on the setup menu (See page 28). Set the TV's source to HDMI (refer to TV's Owner's manual). Additional Information for HDMI yy When you connect a HDMI or DVI compatible device make sure of the following: -- Try switching off the HDMI/DVI device and this player.

Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this player. -- The connected device's video input is set correctly for this unit. -- The connected device is compatible with 720x480p, 1280x720p, 1920x1080i or 1920x1080p video input. yy Not all HDCP-compatible HDMI or DVI devices will work with this player. -- The picture will not be displayed properly with non-HDCP device. -- This player does not playback and TV screen is changed to black screen. About HDMI HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD Players, Set-Top Boxes, and other AV devices.

HDMI was developed to provide the technologies of HDCP (High Definition Contents Protection). HDCP is used to protect digital content transmitted and received. HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio, HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

16 Connecting Component Video Connection Connect the COMPONENT VIDEO OUT jacks on the player to the corresponding input jacks on the TV using component video cable. Connect the left and right AUDIO OUT jacks of the player to the audio left and right IN jacks on the TV using the audio cables. Scart connection Connect one end of the scart cable into the AV1 scart jack on the unit and other end to the corresponding in jack on your TV. You can get Audio and Video signals together with this connection. TV 2 Connecting TV SACRT cable Component video cable Audio cable Rear of this unit Rear of this unit Set the resolution to 576p for progressive signal using RES.

button on the front panel. Note ,, Connecting 17 Connecting to an Amplifier Connecting to an Amplifier via Digital Audio Output Connecting to an amplifier equipped with two channel analog stereo. Connecting to an amplifier equipped with two channel digital stereo (PCM) or to an Audio/Video receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2, or DTS) Amplifier/Receiver 1. Connect one of the Recorder's DIGITAL AUDIO OUTPUT jacks (OPTICAL or COAXIAL) to the corresponding in jack on your amplifier. Use an optional digital (Optical or Coaxial) audio cable.

2. You will need to activate the Recorder 's digital output. (See [Audio Settings] on page 28). yy If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all. yy Six Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder. yy To see the audio format of the current DVD in the on-screen display, press AUDIO. yy This Recorder does not perform internal (2 channel) decoding of a DTS sound track. To enjoy DTS multi channel surround, you must connect this Recorder to a DTS compatible receiver via one of this Recorder's digital audio outputs. yy While viewing a digital channel, the 2 channel stereo audio is only output through the audio output jacks. yy A digital multi-channel connection provides the best sound quality.

For this you need a multi-channel Audio/Video receiver that supports one or more of the audio formats supported by your Recorder (MPEG 2, Dolby Digital and DTS). Check the receiver manual and the logos on the front of the receiver. Note ,, 2 Connecting OPTICAL COAXIAL DIGITAL INPUT OPTICAL COAXIAL Rear of this unit 18 Connecting Connecting to an Amplifier via 2 Channel Audio Output Connect the Left and Right 2CH AUDIO OUT jacks on the player to the audio left and right in jacks on your amplifier, receiver, or stereo system using audio cables. Amplifier/Receiver 2 Connecting L R AUDIO INPUT Audio cable Rear of this unit Connecting 19 Connection to Another device Accessory Audio/Video (A/V) Connections to Recorder Connect the input jacks (AV IN 2) on the recorder to the audio/video out jacks on your accessory component, using audio/video cables. Jack panel of Accessory Component (VCR, Comcorder, etc.) AUDIO OUTPUT Connecting a Digital Camcorder Using the front panel DV IN jack, it is possible to connect a DV digital camcorder or video deck or DVD-R/RW recorder and digitally transfer DV tapes or DVD-R/RW discs to DVD-R/RW. Use a DV cable (not supplied) to connect the DV in/ out jack of your DV camcorder/video deck to the front panel DV IN jack of this recorder. 2 Connecting DV Digital Camcorder DV IN/OUT R L VIDEO OUTPUT Front of the unit Front of the unit yy This jack is for connection to DV equipment only. It is not compatible with digital satellite tuners or D-VIDEO video decks. yy Disconnecting the DV cable while recording a contents of the connected digital camcorder may result in malfunction.

Note ,, 20 Connecting USB device connection This unit can play movie, music and photo files contained on a USB device. Compatible USB Flash Drive 1. USB Flash Drive which require additional program installation when you have connected it to a computer, is not supported. 2. USB Flash Drive: USB Flash Drive that support USB1.

1. yy The contents on the disc cannot be moved or copied to USB Flash Drive. yy Keep the USB Flash Drive out of reach of children. If swallowed, seek medical advice immediately. yy This unit supports only USB Flash Drive with FAT16 or FAT32 format.

yy The USB Flash Drives which require additional program installation when you have connected it to a computer are not supported. yy This unit is compatible with the Flash type USB device that supports USB 1.1. yy This unit may not support some USB Flash Drives. yy Do not extract the USB Flash Drive during operation (play, etc.). It may cause a malfunction on this unit. Playback content in the USB device 2 Connecting 2. Press HOME (n). 3.

Select [Movie], [Photo] or [Music] using a/d, and press ENTER (b). 4. Select the [USB] option using s/w and press ENTER (b). 5. Select a file using s/w, and ENTER (b) to play the file. 6. Withdraw the USB device carefully. 1. Insert a USB device into the USB port until it fits into place. Note ,, System Setting System Setting 21 Auto Set Up After the POWER is pressed for the first time to turn on the unit or after resetting the unit, the Initial Setup Wizard function sets the language, tuner channels and clock automatically.

1. Select a language for the Setup menu and onscreen display. Use s/w to select a language then press ENTER (b). [Manual] Enter the necessary information for year, date and time. a/d (left/right): Moves the cursor to the previous or next column.

s/w (up/down): Changes the setting at the current cursor position. Press ENTER (b) to confirm your setting. 4. Use s/w to select a country then press d. 3 System Setting Press RETURN (x) to skip the Initial Setup.

2. Check your antenna connections. Press ENTER (b) to move next step. Use s/w to select the [Digital], [Analog] or [All] and press d. 5. Press ENTER (b) to begin the channel search. Press a to go back to the previous level. 3. Use s/w to select the clock Set option then press ENTER (b). 6.

Press ENTER (b) to exit the menu. You can reset the Initial Setup Wizard from the [Factory Set] in the setup menu. (see page 26). Note ,, [Auto] When Channel auto search is completed the actual Time and Date are also set automatically. (See "Auto Clock Set" on page 25) 22 System Setting Home Menu Overview From the Home Menu screen you can access all the Media for playback and recording of the unit.

1. Press HOME (n).The Home menu appears. The unit will be in tuner mode always when the Home menu appears. General Settings Adjust the Setup Settings You can change the settings of the unit in the [SETUP] menu.

1. Press HOME (n). 2. Use a/d to select the [SETUP] and press ENTER (b). The [SETUP] menu appears.

2. Use a/d to select the desired option. 3 System Setting [Easy Menu] Setup: Displays Setup menu. Rec. Mode: Displays Record Mode setup menu. (See page 31) [RECORD] Timer Record: Displays [Timer Record] menu. (See page 49-50). [MOVIE] VCR: Playing a VCR. (page 41-42) DISC: yy Displays TITLE LIST menu for recordable disc (page 52) yy Playing a DVD (page 38-40). USB: Displays [Movie List] menu for USB Flash Drive. [PHOTO] DISC: Displays [Photo List] menu for disc. USB: Displays [Photo List] menu for USB Flash Drive. [MUSIC] DISC: Displays [Music List] menu for disc. USB: Displays [Music List] menu for USB Flash Drive. 3.

Use a/d to select the desired option. Press ENTER (b)to confirm your selection. 4. Press HOME (n) to exit the Home menu. The Movie, Photo and Music menus are only enable when there are the Movie, Photo and Music contents. 5. Use s/w to select a desired setting, and press ENTER (b) to confirm your selection. 4. Use s/w to select a second setup option, and press d to move to the third level. 3.

Use s/w to select the first setup option, and press d to move to the second level. Note ,, System Setting 23 Auto Programming This recorder is equipped with a frequency synthesized tuner capable of receiving the analog and digital channels. Switching the program list to DIGITAL TV, ANALOG TV, or RADIO 1. Press w to move the highlight position to top of the program list. 2.

Press a/d to select a [DIGITAL TV], [ANALOG TV] or [RADIO]. Selected program list appears. Program Edit You can edit a channel manually (add, delete, name, move, etc.). Password is needed to access the [Auto Programming] option if [Lock System] option is set to [On].

Note ,, 1. Display [SETUP] menu. 2. Select the [Auto Programming] option then press d. 3. Press d to move to the second level. 4. Use s/w to select a country then press d. 5. Use s/w to select the [Digital], [Analog] or [All] and press d.

6. Press ENTER (b) to begin the channel search. The tuner will automatically cycle through all available channels in the area and place them in the tuner's memory. 3 System Setting 1. Display [SETUP] menu. 2. Use s/w to select [Program Edit], and press d. 3. Use s/w to select the [Edit], and press ENTER (b). Program List menu appears.

4. Use s/w to select a Ch. number then press ENTER (b). Program List options appears on the left side of the menu display. 5.

Use s/w to select an option then press ENTER (b) to confirm. [Favorite] Set the memorized channel to favorite channel. (favorite channel shows FAV icon.). [Delete] Deletes the program from program list.

[Move] (Analog channel only) Moves the program's location on the program list. [Block] Blocks the program. [Station Rename]] (Analog channel only) Edits the station name. Manual Channel Add This feature manually adds channels. Password is needed to access the [Auto Programming] option if [Lock System] option is set to [On]. 1. Select the [Program Edit] option then press d. 2. Use s/w to select the [Add Channel] option then press ENTER (b). 3.

Use s/w to select [Analog] for analog channel or [Digital] for digital channel then press d. 4. Use s/w to select a channel number. Searches for a channel automatically. Searching stops when the recorder tunes in a channel. 5. Press ENTER (b) to add the channel. Note ,, 24 System Setting [Program Edit] (Analog channel only) Edits the selected program. 6. Press RETURN (x) repeatedly to exit Program List menu Station Rename You can name stations independently.

Names can be up to 5 characters long. 1. Use s/w to select a program on the Program List menu then press ENTER (b). Program List options appears on the left side of the Program List menu. 2.

Use s/w to select [Station Rename] option from Program List options then press ENTER (b). Keyboard menu appears. Program Edit You can perform a search to select and store an TV channels manually. 1. Use s/w to select a program on the Program List menu then press ENTER (b). Program List options appears on the left side of the Program List menu. 3 System Setting 2. Use s/w to select [Program Edit] option from the options then press ENTER (b). Program Edit menu appears. 3. See the descriptions on below to use Program Edit menu. a/d (left/right): Moves the cursor to the previous or next column. s/w (up/down): Changes the setting at the current cursor position. [PR] Indicates program number (display only). [Seek] Searches a station automatically.

Use a/d to select Seek option then press s/ w. Searching stops when the recorder tunes in a station. [Ch.] Changes the channel number to edit. Use a/ d to select Ch. option then press s/w. [MFT] Changes the frequency for fine tuning. Use a/d to select MFT option then press s/ w. [NICAM] Set the NICAM function to for the program On or Off. 4.

Choose OK then press ENTER (b) to confirm the setting and returns to the Program List menu. 3. Enter a name for the station. Use a/d/s/w to select a character then press ENTER (b) to confirm your selection. [Alphabet Capital/Alphabet Small] – Change the keyboard menu settings to capital letters, small letters.

[Symbol] – Switches the keyboard to symbol characters. [Space] – Inserts a space at the cursor position. [Delete] – Clear all entered characters. [a/d] – Moves cursor to left or right. [OK] – Select to finish.

[Cancel] – Select to exit the menu. 4. Choose [OK] icon then press ENTER (b) to fix the name and returns to the Program List menu. System Setting 25 Sort TV channels manually You can sort the program's position on the Program List menu. 1. Use s/w to select a program on the Program List menu then press ENTER (b). Program List options appears on the left side of the Program List menu. 2. Use s/w to select [Move] option from Program List options then press ENTER (b). 3.

Use s/w to select a desired position then press ENTER (b) to store. yy There are cases where the TV station does not send, or sends wrong date and/or time information and the recorder sets the incorrect time. yy If this happens, we recommend that you set the clock manually. Note ,, Manual Clock Set 1. Select [Clock set] option then press d. 2. Use s/w to select [Manual] option then press ENTER (b). 3. Enter the necessary information for date and time. a/d (left/right): Moves the cursor to the previous or next column.

s/w (up/down): Changes the setting at the current cursor position. Deleting a program You can delete a program on the Program List menu. 1. Use s/w to select a program on the Program List menu then press ENTER (b). Program List options appears on the left side of the Program List menu. 2. Use s/w to select [Delete] option from Program List options then press ENTER (b). The Program is deleted. 3 System Setting 4. Press ENTER (b) to confirm your setting.

TV Aspect To record a wide screen format programme successfully the correct type of wide screen signal must be broadcast by the TV station. You can choose: [4:3 Letter Box] Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture. [4:3 Pan Scan] Select when a standard 4:3 TV is connected. The video material formatted in the Pan & Scan style is played back in that style (Both sides of the picture are cut off.. [16:9 Wide] Select when a 16:9 wide TV is connected. Setting the NICAM ON/OFF This DVD recorder can receive Hi-Fi sound transmissions in NICAM Stereo. However, if sound distortion occurs, due to poor reception, you can switch Off. Auto Clock Set When Channel auto search is completed the actual Time and Date are also set automatically.

If the time in the recorder display is not correct, the clock must be set manually. 1. Select [Clock set] option then press d. 2. Use s/w to select [Auto] option then press ENTER (b). 3. If the clock that has automatically set is different with your local clock, you can add more time using [Time Offset] option. (For example, when summer time is started in local area.) Press d to select [Time Offset] option. 4.
Press s/w to select a value then press ENTER (b) (0, 30, 60, 90, 120). Select "0" if the clock that has automatically set is identified with your local clock. 26 System Setting VCR Play Aspect You can choose: [AUTO] Automatically plays back Wide-Screen programmes as Wide-Screen and Normal programmes as normal. [4:3] Only for playing back Normal format recordings (4:3). [16:9] Only for playing back Wide-Screen format recordings (16:9).
Antenna Feed 5V If you are using indoor antenna with a signal amplifier rated at DC 5V, 100mA, the recorder can supply power through ANTENNA IN jack. 1. Display [Setup] menu. 2. Use a/d/s/w to select the [Antenna Feed 5V], and press ENTER (b).
3. Use w/s to select [ON] and press ENTER (b) to supply antenna power. The [Antenna Feed 5V] option must be set to [OFF] when your indoor antenna is supplied the power from the mains. If you set the [Antenna Feed 5V] option to [ON] for the indoor antenna which is supplied power from the mains, it may cause serious defect to this unit. Note ,, 3 System Setting VCR Play System Your video recorder uses triple colour standards, Auto, PAL and MESECAM. During play your video recorder should select the colour system automatically, however if you experience problems you may need to do it manually.
Initialization You can reset the recorder to its original factory settings. [Factory Set] If you need to, you can reset the recorder to all its factory settings. Some options cannot be reset. (DVD Rating, Password, and Area Code) Select [Factory Set] icon then press ENTER (b) and auto setup menu will appear, see page 21.

1. Select [Initialization] option then press d. 2. Press ENTER (b) and then confirm message will appear. 3. Use a/d to select [Yes] or [No] then press ENTER (b). Video output format Select the Video output format option according to the connection type of this unit. [YPbPr] When your TV is connected with the COMPONENT OUTPUT jack on this unit. [RGB] When your TV is connected with the SCART(RGB signal) jack on this unit. This option can be changed only when the resolution is set to 576i.
Note ,, Auto Power Off If you set this option to [On], when you leave the unit in stop mode for about 25 minutes, the unit automatically turns itself off. System Setting 27 Language Settings Display Menu Select a language for the [Setup] menu and onscreen display. DTV Subtitle Digital channels sometimes provide subtitle, often in a different language. You can set a default subtitle language with this setting. yy If available, you can also select a subtitle language while viewing digital TV viewing, press SUBTITLE repeatedly.
yy If subtitles are available, the DTV subtitle icon appears on the program information display to indicate that you can select one of those subtitle options with the SUBTITLE button. DTV Subtitle will appear only if provided by the broadcaster. Disc Menu/Disc Audio/Disc Subtitle Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu. [Original] Refers to the original language in which the disc was recorded. [Other] Press ENTER (b) to select another language.
Use number buttons then press ENTER (b) to enter the corresponding 4-digit number according to the language code list on page 67 [Off] (Disc Subtitle only) Turn off Subtitle. Note ,, 3 System Setting DivX Subtitle If the movie subtitle is not displayed properly, change the subtitle language code that supports your language. 1. Display [Setup] menu. 2. Use a/d/s/w to select the [DivX Subtitle], and press ENTER (b). 3. Use s/w to select a language code that supports your language. You can change the subtitle language code while a movie is in playback. Press and hold SUBTITLE for 3 seconds during playback.

The language code will appear. Use s/w to select another language code until the subtitle is displayed properly and then press ENTER (b). Depending on the disc, your language setting may not work Note ,, Note ,, DTV Audio Digital channels sometimes provide multiple audio tracks, often in a different language. You can set a default audio language with this setting. If provided by the broadcaster, you can also select a different audio language while viewing TV by pressing AUDIO repeatedly. Note ,, 28 System Setting Audio Settings Each DVD disc has a variety of audio output options. Set the recorder's Audio Output according to the type of audio system you use. Sampling Freq. If your receiver or amplifier is NOT capable of handling 96 kHz signals, select 48 kHz. @@If your receiver or amplifier is capable of handling 96 kHz signals, select 96 kHz.
When this choice is made, this unit will pass each type of signal through without any further processing. Dolby Digital [PCM] Select when connected to a 2-channel digital stereo amplifier. The Recorder's digital audio outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital recording system. [Bitstream] Select [Bitstream] if you connected the Recorder's DIGITAL OUT jack to a Dolby Digital decoder (or an amplifier or other equipment with a Dolby Digital decoder). DRC (Dynamic Range Control) With the DVD format, you can hear a program's sound track in the most accurate and realistic presentation possible, thanks to digital audio technology.
However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to ON for this effect. 3 System Setting DTS [OFF] If you select [OFF], the DTS signal is not output through the DIGITAL OUT jack. [Bitstream] Select [Bitstream] if you connected the Recorder's DIGITAL OUT jack to a DTS decoder (or an amplifier or other equipment with a DTS decoder).

MPEG [PCM] Select when connected to a 2-channel digital stereo amplifier. The Recorder's digital audio outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the MPEG2 recording system. [Bitstream] Select [Bitstream] if you connected the Recorder's DIGITAL OUT jack to a MPEG decoder (or an amplifier or other equipment with a MPEG decoder). System Setting 29 Lock Settings Lock System Allows you to set up specific programs and ratings through blocking schemes. Also allows you to activate or disable all of the lock schemes previously set up. A password is required to gain access to the lock menu options. When the Lock System is set to [OFF], the DTV Rating is not effective. 1. Select [Lock System] option then press d. 2.

To access the Lock Menu options, you must input the 4-digit password you created. If you have not yet entered a password you are prompted to do so. Input a 4-digit password. Enter it again to verify. If you make a mistake, press CLEAR repeatedly to delete numbers one by one then correct it. 3. Select [ON] or [OFF] using the s/w buttons. 4. Press ENTER (b) to confirm your setting. DTV Rating Viewing of some digital TV programmes can be limited according to the age limit you set.

1. Display [Setup] menu. 2. Use s/w to select [LOCK] and press ENTER (b). 3.

Use s/w to select [DTV Rating] and press ENTER (b). 4. Input the password using numerical buttons. If you have not set your password yet, input and press ENTER (b). 3 System Setting 5.

Use s/w to set the limitation level and press ENTER (b). [No Control] You can view all programs. [4 ~ 18 Year(s)] If you select [No Limit], parental control is not active and the disc plays in full. DVD Rating 1. Select a rating from 1 to 8 using the s/w buttons. [1]-[8] Rating one (1) has the most restrictions and rating eight (8) is the least restrictive [No Limit] If you select [No Limit], parental control is not active and the disc plays in full. 2. Press ENTER (b) to confirm your rating selection, then press HOME (n) to exit the menu. 3. Press EJECT, OPEN/CLOSE (B) to activate parental control.

If you set a rating for the recorder, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc. Note ,, 30 System Setting Set Password 1. Select [Set Password] option then press d. 2. Follow step 2 as shown in [Lock System] above. [Change] Enter the new password twice after entering the current password.

[Delete] Delete the current password after entering the current password. If you delete password, All of Rating options are set to default. 3. Press HOME (n) to exit the menu. DivX Reg.

Code We provide you the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service. For more information, visit www.divx.com/vod. 1.

Select [DivX Reg. Code] option then press d. 2. Press while enter is selected and the registration code will appear. 3. Use the registration code to purchase or rent the videos from DivX® VOD service at www.divx. com/vod. Follow the instructions and download the video onto a disc for playback on this unit. All the downloaded videos from DivX® VOD can only be played back on this recorder.

DivX Registration Code ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video. ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order in to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

3 System Setting If you forget your password If you forget your password, you can reset it using the following steps. 1. Press HOME (n) and the Home menu appears. 2. Select [Setup] and press ENTER (b).

3. Input the 6-digit number [210499]. When the message appears, select [OK] then press ENTER (b). The password will be reset. 4.

Enter a new password as described above. If you delete your password, all ratings will be reset to the default setting. The default setting is to allow all programs to be viewed in full. Note ,, Note ,, Area Code Enter the Area Code whose standards were used to rate the DVD video disc, based on the list in the reference chapter (see page 66). 1. Select [Area Code] option then press d. 2. Follow step 2 as shown [Lock System]. 3. Select the first character using s/w buttons.

4. Shift the cursor using d buttons and select the second character using s/w buttons. 5. Press ENTER (b) to confirm your area code selection, then press HOME (n) to exit the menu. System Setting 31 Recording Settings Rec Mode Set You can set the picture quality for recording; XP (High Quality), SP (Standard Quality), LP (Low Quality), EP (Extend Quality), MLP (Maximum Long Play) 1. Select the [Rec Mode Set] option then press d. 2. Use s/w to select a desired Rec Mode Set (XP, SP, LP, EP or MLP). [XP] – Highest quality setting, gives about 1 hour of recording time on a DVD (4.7GB).

[SP] – Default quality, sufficient for most applications, gives about 2 hours of recording time on a DVD (4.7GB). [LP] – Slightly lower video quality, gives about 4 hours of recording time on a DVD disc (4.7GB). [EP] – Low video quality, gives about 6 hours of recording time on a DVD (4.

7GB). [MLP] – The longest recording time with the lowest video quality, gives you about 14 hours of recording time on a DVD (4.7GB). DV Rec Audio You need to set this if you have a camcorder using 32kHz/12-bit sound connected to the front panel DV IN jack. Some digital camcorders have two stereo tracks for audio.

One is recorded at the time of shooting; the other is for overdubbing after shooting. [Audio 1] On the Audio 1 setting, the sound that was recorded while shooting is used.. [Audio 2] On the Audio 2 setting, the overdubbed sound is used. 3 TV Rec Audio When TV recording with bilingual, you can choose audio channel to record. [Main+Sub] Main language and Sub language. [Main] Main language only [Sub] Sub language only. System Setting You may see a fragmented picture or distorted subtitle during playing back the contents recorded in EP and MLP mode. Note ,, Auto Chapter When DVD recording, chapter markers are put in specified setting. You can change this interval to 5 minutes, 10 minutes or 15 minutes.

If you select [None], switch off automatic chapter marking altogether with the [None] setting. Rec Aspect When recording, you can set the recording aspect ratio to suit the material you're recording (16:9 or 4:3). When DVD recording, you can set the recording aspect ratio to suit the material you're recording (16:9 or 4:3).

Note ,, 32 System Setting Disc Settings Disc Format If you load a completely blank disc, the recorder will initialize the disc. [DVD-R] The recorder initialize the disc to Video mode. The recording mode will always be Video mode. [DVD-RW/DVD+RW/DVD+R(DL)] The Initialize menu will appears. Select [OK] then press ENTER (b). DVD-RW disc is initialized to Video mode. Also, you can reformat the DVD-RW/DVD+RW from the Setup menu as below. Finalize Finalizing [fixes] the recordings in place so that the disc can be played on a regular DVD player or computer equipped with a suitable DVD-ROM drive. Finalizing a disc creates a menu screen for navigating the disc. This is accessed by pressing MENU/LIST or TITLE. yy Once you have finalized a DVD-R and DVD+R disc, you cannot edit or record anything else on that disc. yy You can record and edit a DVD-RW disc by choosing [Unfinalize] option. yy You can edit or record on the DVD+RW disc even after finalizing. 1. Select [Finalize] option then press d. Caution >> 3 System Setting 1. Select [Disc Format] option then press d.

2. Press ENTER (b) while [Start] is selected. Format Disc menu appears. 3. Use a/d to select a desired mode (VR Mode or Video Mode) then press ENTER (b). Confirm message will appear. For DVD+RW discs, go to step 4. 4. Use a/d to select [OK] then press ENTER (b). It takes a few moments to initialize the disc.

If you want to change the disc format, everything recorded on the disc will be erased. 2. Press ENTER (b) while [Finalize] is selected. Finalize menu appears. 3. Select [OK] then press ENTER (b). The recorder starts finalizing the disc. yy How long finalization takes depends on the type of disc, how much is recorded on the disc, and the number of titles on the disc. yy DVD+R DL disc can take up to 30 minutes to finalize. yy If you load a DVD-RW that has already been finalized, you can 'Unfinalize' it by choosing Unfinalize from the Finalize menu.

After doing this, you can edit and re-record onto the disc. yy You cannot unfinalize a DVD-R and DVD+R disc. yy If [Disc Protect] option is set to [ON], the finalize is not available. To finalize, set [Disc Protect] option to [OFF]. Note ,, Caution >> System Setting 33 Disc Label Use this to enter a name for the disc.

This name appears when you display disc information onscreen. The disc name can be up to 32 characters long. For discs formatted on a different Recorder, you will see only a limited character set. [MENU/LIST, DISPLAY] Switches the keyboard type (English/Latin Capital, English/Latin Lowercase, Symbols) 6 Choose OK then press ENTER (b) to fix the name and return to the Setup menu. 6.

Press HOME to exit the menu. Disc Protect When recording in DVD+RW / +R disc or VR mode formatted DVD-RW disc, set to ON to prevent accidental recording, editing or deleting of the disc loaded. If you need to unlock the disc to make edits, select OFF. 3 System Setting 1. Display [Setup] menu. 2. Use s/w to select the [Disc Label] option. 3. Press d to move to the third level. [Edit] icon is highlighted.

4. Press ENTER (b). Keyboard menu appears. 5. Enter a name for the disc. Use a/d/s/w to select a character then press ENTER (b) to confirm your selection. Refer step 3 as shown on page 24 (Station Rename). Remote control buttons for entering a name [z(PLAY)] Inserts a space at the cursor position. [M(PAUSE/STEP)] Deletes the previous character at the cursor position. [STOP (Z), CLEAR] Only for playing back Wide-Screen format recordings (16:9). [Numbers (0~9)] Enters the character of corresponding location on the selected column. Operating 34 Operating General Explanation of On-Screen Display This manual gives basic instructions for operating the Recorder. Some DVDs require specific operation or allow only limited operation during playback. When this occurs, the symbol appears on the TV screen, indicating that the operation is not permitted by the Recorder or is not available on the disc. 2. You can select an item by pressing s/w and change or select the setting by pressing a/d. For details about each item, see the pages in parenthesis. [TITLE] Current title (or track) number/total number of titles (or tracks) (page 38). [CHAPTER] Current chapter number/total number of chapters (page 38). [TIME] Elapsed playing time (page 39) [AUDIO] Selected audio language (DVD VIDEO only) or audio channel (page 40).

[SUBTITLE] Selected subtitle (page 40). [ANGLE] Selected angle/total number of angles (page 39). [SOUND] Selected sound mode (page 40). 3. To remove the on-screen display, press DISPLAY or RETURN(x) repeatedly until it disappears. If no button is pressed for 7 seconds, the onscreen display disappears. Displaying Information While Watching TV During viewing the TV, press DISPLAY to display/ remove the information displayed on-screen. e.g., when DVD-RW in VR mode is inserted.

4 Operating Displaying Information onscreen You can display various information about the disc or tape loaded on-screen. 1. Press DISPLAY once to show current status. Example : DVD-Video disc. Note ,, 2. Press DISPLAY once again to show various playback information. The items displayed differ depending on the disc type or playing status. Operating 35 TV Viewing Viewing the EPG (Electronic Programme Guide) The Electronic Programme Guide schedule and program information for digital programs. They also provide local over-the-air programs information including conventional digital programs. Use the Electronic Programme Guide to find programs easily and conveniently and to view schedule and descriptive program information for the programs. To navigate through programs on the Guides Use a/d/s/w on your remote control to navigate the guide screen. You can move faster through programs by scrolling page-by-page with the C or V buttons on the remote control. Each button stroke scrolls one page up or down. To tune to another current channel Use a/d/s/w to select a current channel then press ENTER (b). You can watch the channel. To Display the Program Guide Press the EPG button on your remote control. To display the Full Information window You can view detail informations for the highlighted program. Press blue color button to display detail information window. To exit the detail information window, press blue color button again. To Exit the Program Guide Press the RETURN (x) button to return to the last program you tuned to.

4 Operating To change guide menu The guide screen provides two search menus. Press yellow color button when the Program Guide is displayed. yy Now/Next: The screen shows now and next programs. To change date When the Program Guide with 8 days is displayed, you can also change the date of the Program Guide by pressing the green color button then use a/d to select a date then press ENTER (b). yy 8 Days: The screen shows programs within 8 days. 36 Operating Timer Recording with Program Guide You can set a timer record using program guide with 8 days. 1. Display Program Guide with 8 days. 2. Select a program then press red color button.

The red timer icon will be displayed and the program will be memorized by the recorder.

You can check the programming on the Timer Record List menu (see page 50). 3. To release the timer recording, select the program then press red color button. The red timer icon disappears. Displaying Channel List and Changing Channel You can display channel list using the ENTER (b) button and switch into other channel on the channel list. 1. Press ENTER (b) while watching a program to display the channel list. 2. Select your desired channel using the s/w and press ENTER (b) to change the channel.

4 Operating Switching Program List You can switch the program list to DIGITAL TV, ANALOG TV, or RADIO. 1. Press w to move the highlight position to top of the program list. 2. Press a/d to select a [DIGITAL TV], [ANALOG TV], or [RADIO].

Selected program list appears. Program Selection You can select a program as shown below. Number buttons Use Number (0-9) buttons to select a program directly. FAV button Press to scroll through your favorite programs. PR +/– buttons Use PR +/– on the remote control or PROG s/w on the front panel to cycle the recorder through the programs in memory.

Displaying the Favorite Program List You can display favorite channel list: The list of the favorite channels with several-groups that you can organise channels by your private taste. To set a favorite program, use [Program Edit] option in the Setup menu. (See page 23-24.) 1. Press ENTER (b) while watching a program to display the program list. 2. Press Red button. The favorite options appears. 3. Press s/w to select a favorite option then press ENTER (b).

Program List Three types of program lists are provided for easy and quick program searching. ANALOG TV: The list of all analog TV programs. DIGITAL TV: The list of all digital TV programs. RADIO: The list of all Radio programs. Note ,, Operating 37 Teletext Operation Teletext is an optional function, therefore only those with the teletext system can receive the teletext broadcast. Teletext is a free service broadcast by some TV stations which gives up-to-the-minute information on news, weather, television programs, share prices and many other topics. The teletext decoder can support the SIMPLE systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. Teletext on/off 1. Press TEXT to switch to teletext.

The initial page or last page appears on the screen. Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed. 2. Press TEXT or RETURN (x) to switch off teletext.

yy If your TV is in zoom mode, the Teletext menu screen may be cut off. yy In this case, set the TV's zoom mode to normal to display the menu screen properly. Caution >> Teletext in Service The recorder gives you access to teletext which is greatly improved in various aspects such as text and graphics. This teletext can be accessed by special teletext services and specific services which broadcast teletext. Page selection 1.

Enter the desired page number as a three digit number with the numbered buttons. If during selection you press a wrong number, you must complete the three digit number and then reenter the correct page number. 2. Use RED/GREEN buttons to move up and down pages. 4 Operating 1. Press number or PR (+/-) buttons to select a program which broadcast teletext. 2. Press TEXT to access on the teletext. 3. Follow the indications on teletext and move onto the next or previous step by pressing color (RED or GREEN) or SKIP (C/V) buttons and so on.

4. Press TEXT or RETURN (x) to switch off teletext and return to TV viewing. 38 Operating Playing a DVD Playback Setup Before using the remote control, press the DVD button to select the device to be operated. Turn the TV on and select the video input source connected to the Recorder. Audio system: Turn the audio system on and select the input source connected to the Recorder. 1. Press OPEN/CLOSE (B) to open the disc tray. 2. Load your chosen disc in the tray, with the playback side down. 3.

Press OPEN/CLOSE (B) to close the tray. READ appears on the display window, and playback starts automatically. If playback does not start, press z(PLAY). In some cases, the disc menu might appear instead. If a menu screen is displayed yy The menu screen may be displayed first after loading a DVD which contains a menu.

yy Use the a/d/s/w buttons to select the title/chapter you want to view, then press ENTER (b) to start playback. yy Press TITLE or MENU/LIST to return to the menu screen. yy If Parental Control is set and the disc is not within the Rating settings (not authorized), the 4-digit code must be entered and/ or the disc must be authorized (see "DVD Rating", on page 29). yy DVDs may have a Region Code. Your recorder will not play discs that have a region code different from your recorder.

The region code for this recorder is 2 (two). channels for cable subscribers. General Features Unless stated otherwise, all operations described use the remote control. Some features may also be available on the Setup menu. Note ,, Moving to another TITLE When a disc has more than one title, you can move to another title as follows: Press DISPLAY twice then use s/w to select the title icon. Then, press the appropriate numbered button (0-9) or a/d to select a title number. Moving to another CHAPTER/ TRACK When a title on a disc has more than one chapter/ track, you can move to another chapter/track as follows: Press SKIP (C/V) briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track. Press SKIP (C) twice briefly to step back to the previous chapter/track. To go directly to any chapter/track during playback, press DISPLAY twice. Then, use s/w to select chapter icon (or select track icon).

@@The recorder will now go into SEARCH mode. @@@@@@The recorder will now go into PAUSE mode. @@3. To exit PAUSE mode, press z (PLAY). @@@@@@To open the disc menu, press MENU/LIST. Then, press the appropriate number button to select an option. @@@@Otherwise, the disc menu may appear. @@The recorder will now go into PAUSE mode. 2. Press SCAN (c or v) during PAUSE mode.

The Recorder will enter SLOW mode. 3. Use the SCAN (c or v) to select the required speed: a! 1/16, a! 1/8, a! 1/4, or a! 1/2 (backward), or !d 1/16, !d 1/8, !d 1/4, or !d 1/2 (forward). 4. To exit Slow Motion mode, press z (PLAY).

4 Operating Disc Menu 1. Press MENU/LIST. The disc menu is displayed. 2. To remove the disc menu, press MENU/LIST again.

Time Search The Time Search function allows you to start playing at any chosen time on the disc. 1. Press DISPLAY twice during playback. The on-screen display appears on the TV screen. @@@@The "-:--:--" appears in the Time Search box. @@Enter hours, minutes, and seconds from left to right in the box. You can not enter an invalid time. @@@@1. Press DISPLAY twice during playback. 2 Use s/w to select the ANGLE icon.

3. Press a/d repeatedly to select a desired angle.

@@Some discs feature both Dolby Digital and DTS soundtracks. There is no analog audio output when DTS is selected. @@@@@@@@yy Settings are stored in memory for use any time. @@1. Press DISPLAY twice during playback. The OnScreen Display appears on the TV screen. 2. Use s/w to select the Sound icon in the OnScreen Display.

3. Use a/d to select "3D SUR". @@@@@@@@yy Tape speed (SP, LP) changes. yy Streaks or snow appear because of scratches on the tape. @@(s/w) on the front panel until the noise on the screen is reduced.

yy In case of vertical jitter, adjust these controls very carefully. @@The indicator will light and the Recorder will powerup automatically. @@If it is, press POWER once. @@2. Press z (PLAY) once.

PLAY icon appears on the TV screen. It is not necessary to select the tape speed for playback. @@This is normal. @@@@Slight interference may be observed during this time. Search This function lets you visually search forward and backward for a desired scene on your tape. 1. Press SCAN (c or v) during playback. The Recorder will be activated in the SEARCH mode. yy If the Recorder is left in the SEARCH mode for more than 3 minutes, the Recorder will automatically enter the PLAY mode, to protect the tape and video heads. 2.

To return to playback, press z(PLAY). 3. Press STOP (Z) to stop playback. STOP icon appears on the TV screen. If the tape reaches the end before STOP (Z) is pressed, the Recorder will automatically stop, rewind and eject the tape, and turn itself off. yy If you wish to watch the DVD playback during the VCR playback, press DVD (or DVD/VCR) to change to DVD mode and perform the DVD playback. yy You cannot playback for the both DVD and VCR at the same time. Note ,, 42 Operating Still Picture and Frame-by-Frame Playback 1. Press M (PAUSE/STEP) during playback. A still picture appears on the TV screen. yy If a still picture vibrates vertically, stabilize it by using PR/TRK (s/w) on the remote control. I yy f the Recorder is left in the STILL mode for more than 5 minutes, the Recorder will automatically enter the STOP mode to protect the tape and video heads. 2. Press M (PAUSE/STEP) repeatedly to advance the video picture one frame at a time while viewing a still picture. 3.

To return to playback, press z (PLAY). Slow Motion 1. While in still mode, press SCAN (v). The tape will be played back at a speed 1/19 times slower than the normal speed. Playing a DivX Movie Disc Using this unit you can play DivX disc.

Before playing DivX files, read "About DivX movie files" on right. 1. Insert a disc and close the tray. The Movie menu appears on the TV screen. 2. Press s/w to select a folder, and press ENTER (b). A list of files in the folder appears. If you are in a file list and want to return to the Folder list, use the s/w buttons on the remote to highlight g and press ENTER (b). 4 Operating yy During slow playback, use PR/TRK (s/w) on the Remote Control to minimize noise bands. yy If slow motion mode continues for more than 3 minutes, the Recorder will automatically change to normal play mode.

2. To return to playback, press z(PLAY). Counter Memory Function This is useful if there is a section of tape you want to view immediately after recording or if you want to return to the same point several times. 1. Begin recording or playing a tape. 2. Press DISPLAY repeatedly to display the realtime counter on the TV screen. 3. At the point you want to locate later, reset the realtime counter to 0:00:00 by pressing CLEAR. Continue to play or record.

4. Press STOP (Z) when recording or playback finishes. 5. Press x (RETURN). The tape automatically stops when the tape counter returns to about "0:00:00".

3. If you want to view a particular file, press s/w to highlight a file and press z (PLAY). You can use variable playback functions. Refer to pages 38-40. 4. Press Z (STOP) to stop the playback. The Movie menu appears. On a CD with MP3/WMA, JPEG and MOVIE file, you can switch Music, Photo and Movie menu. Press TITLE. Note ,, Notice for displaying the DivX subtitle If the subtitle does not display properly during playback, press M (PAUSE/STEP) when the subtitle is displayed and press and hold SUBTITLE about 3 seconds then press a/d to select another language code until the subtitle is displayed properly. Operating 43 Movie menu options 1. Press s/w to select a folder/file on the Movie menu then press ENTER (b). Movie menu options appear. 2. Press s/w to select an option, and press ENTER (b).

[Play] Start playback the selected title. @@@@@@@@@@@* GMC? GMC is the acronym for Global Motion Compensation. It is an encoding tool specified in MPEG4 standard. Some MPEG4 encoders, like DivX, have this option. @@@@@@@@@1. Insert a disc and close the tray. AUDIO CD or MP3/WMA CD menu appears on the TV screen. Music menu options 1. To display menu options, select a track (or folder) on the menu then press ENTER (b). 2.

Use s/w to select an option then press ENTER (b) to confirm your selection. Music-Audio CD menu options [Play] Starts playback the selected track. [Random] Plays tracks in random order. [Program add] Adds the track(s) to Program List. AUDIO CD Menu MP3/WMA CD Menu Music-CD menu options • When you select a track.

[Play] Starts playback the selected track. [Random] Plays tracks in random order. [Program add] Adds the track(s) to Program List. • When you select a folder. [Open] Displays sub-folders and MP3/WMA files only in the folder.

4 Operating 2. Use s/w to select a track then press z(PLAY). Playback starts. During playback, the current track's elapsed playing time will appear on the display window and menu. Playback will stop at the end of the disc. yy You can view TV channel or video input source by pressing RETURN. If you want to return to the Music menu, press MENU/LIST. yy If you select a MP3 and press DISPLAY, the file informations are displayed. Press DISPLAY again to remove the file informations. yy If you select a folder and press DISPLAY, the number of subfolders and number of MP3/ WMA files in the folder are displayed.

yy If you are in a file list and want to return to the Folder list, use the s/w to highlight and press ENTER (b) to return to the previous menu screen. 3. To stop playback at any other time, press Z (STOP). Note ,, Pause 1. Press M (PAUSE/STEP) during playback. 2. To return to playback, press z (PLAY) or press M (PAUSE/STEP) again. Moving to Another Track yy Press SKIP (C or V) briefly during playback to go to the next track or to return to the beginning of the current track. yy Press SKIP (V) twice briefly to step back to the previous track. yy On an Audio CD, to go directly to any track, enter the track number using the numbered buttons (0-9) during playback on the Track List.

Operating 45 Search (Audio CD only) 1. Press SCAN (c or v) during playback. The recorder will now go into SEARCH mode. 2. Press SCAN (c or v) to select the required speed: c, ca, cc (backward) or v, dv, vv (forward).

Search speed and direction are indicated on the menu screen. 3. To exit SEARCH mode, press z (PLAY).