Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for LG DR-389. You'll find the answers to all your questions on the LG DR-389 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

LG

DR389

ENGLISH

MAGYAR

Hrvatski

Srpski

Български

Македонски

DVD RW · RW COMPATIBLE · RW DVD+ReWritable · Plays Windows Media™ · DOLBY DIGITAL RECORDING

DivX · DV FX The Clear Choice In Digital Video™ ·

P/NO: MFL56842604

Manual abstract:

@@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. Disposal of your old appliance 1. @@2. @@3. @@4.

@@This product is manufactured to comply with EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC. European representative: LG Electronics Service Europe B.V. Veluwezoom 15, 1327 AE Almere, The Netherlands (Tel : +31-036-547-8940) CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. 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 should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to. CAUTION:CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WEN OPEN AND INTERLOCKS DEPEATED AVOID EXPOSER TO THE BEAM. CAUTION: This product employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service center. Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open.

DO NOT STARE INTO BEAM. 2 Copyrights 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. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision corporation. Reverse engineering or disassembly is prohibited. 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 DVD RECORDER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER. Manufactured under license from Dolby Laboratories. Dolby and the doubleD symbol are registered trademarks of Dolby Laboratories. 3 Contents Before you start . .

.32 Before connecting, operating or adjusting this product, please read this instruction booklet carefully and completely. 4 Before you start Recordable and Playable discs This unit can play and record all widely-used DVD types. The table below shows some specific compatibility differences depending on the disc types. DVD-R Symbol used in this manual Logos Re-Writable Formatting Mode (new discs) Editing Play on other players Recommended discs No Video mode Limited DVD-RW -RWVR -RWVideo DVD+R +R DVD+RW +RW DVD-R DVD-RWW -R Yes Video mode Yes No Video Limited Yes Video Yes The player must compatible with corresponding media and the media has to be finalized. Mitsubishi(8x,16x) Verbatim(8x,16x) Mitsubishi(4x) Verbatim(4x) JVC(4x) Maxell(4x) Mitsubishi(8, 16x) Verbatim(8, 16x) Mitsubishi(4x) HP(4x) Verbatim(4x) Ricoh(4x) Playable discs The table below shows the file formats and media types that this unit can playback. DVD Symbol used in this manual Logos Discs such as movies that can be purchased or rented. Audio CD ACD Data disc (DivX, JPEG, MP3 or WMA) DivX JPEG MP3 WMA DVD Characteristics Music CDs or CD-R/RWs in music CD format that can be purchased CD-R/CD-RW/DVD discs that contain DivX, JPEG, MP3 or WMA files. 5 Notes on discs Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/RW) disc itself, some CD-R/RW (or DVD±R/RW) discs cannot be played on the unit. Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc. Do not use irregularly shaped CDs (e.

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g., heart-shaped or octagonal). Doing so may result in malfunctions. Depending on the recording software & the finalization, some recorded discs (CD-R/RW or DVD±R/RW) may not be playable.

DVD-R/RW, DVD+R/RW and CD-R/RW discs recorded using a personal computer or a DVD or CD Recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the Unit's lens. If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.) This unit requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards.

There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions (see above) to ensure compatible playback. Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner. Restrictions on copying Some video material is copy-once protected: Such material cannot be copied to DVD. You can identify copy-once protected material during playback by displaying disc information on-screen. NTSC format signal is not recorded correctly with this unit. Video signals in SECAM format (from the built-in TV tuner or from the analog inputs) are recorded in PAL format. About the Symbol Display " " 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. Regional Codes This unit has a regional code printed on the rear of the unit.

This unit can play only DVD discs labeled same as the rear of the unit or "ALL". Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code or the disc cannot play. If you try to play a DVD with a different regional code from the unit, the message "Incorrect region code. Can't play back" appears on the TV screen. Remote Control Operation Point the Remote Control at the remote sensor and press the buttons. Remote Control Battery Installation Remove the battery cover on the rear of the Remote Control, and insert R03 (size AAA) battery with 3 and # matched correctly. 6 Remote control a POWER: Switches the unit ON or OFF. AV/INPUT: Changes the input source (Tuner, AV1-3, or DV IN). TV/DVD: Press to switch between 'TV mode', in which you get the picture and sound from the TV's tuner, and 'DVD mode', in which you get picture and sound form this unit.

OPEN/CLOSE: Opens and closes the disc tray. 0-9 numerical buttons: Selects numbered options in a menu. CLEAR: Removes a mark on the Marker Search menu. TV Control Buttons: You can control the sound level, input source, selects TV's channel and power switch of your TV. b d REC (z): Starts recording. REC MODE: Selects the recording mode. TITLE: Displays the disc's Title menu, if available. THUMBNAIL: Selects a thumbnail picture. PLAY MODE: Selects a play mode. MARKER: Marks any point during playback.

SEARCH: Displays Marker Search menu. CHP. ADD: Inserts a chapter marker when playing/recording. *: Feature is not available. a Setting up the remote to control your TV You can operate your TV with the supplied remote control. If your TV is listed in the table below, set the appropriate manufacturer code. While holding down TV POWER button, and press oes not accept the Progressive Scan format, the picture will appear scrambled with the progressive signal. Set the resolution to 576p using P/S button on the front panel for progressive signal. AC IN~ S-Video connection Connect one end of the S-Video cable to the S-VIDEO OUTPUT jack on the unit and other end to the S-Video INPUT jack on your TV. Connect one ends of the audio cables (red and white) to the analog AUDIO OUTPUT jack on the unit and other ends to the AUDIO INPUT jack on your TV.

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. 10 Connecting a PAY-TV/Canal Plus Decoder You can wa the antenna and go to the next step: 5 Select the [Start] and starts channel scan: 6 Set the clock: 7 Close the initial setup: ON REMOTE POWER vV ENTER ENTER ENTER v V b B, ENTER ENTER [Program Edit]: Change the settings of a channel manually. [Station Rename]: Change a name of the selected channel. [Move]: Moves the program's location on the program list. [Delete]: Delete the selected channel from programmed channel list. [Decoder On/Off] Sets the channels for the decoder. You need this setting to watch or record PAY-TV/Canal Plus programmes. Press ENTER so [Decoder] appears on the display. Press ENTER again to turn off the setting.

[NICAM Auto/off]: Sets the channels for the NICAM broadcast. Editing a channel You can change the settings of prgrammed channel by selecting [Program Edit] option on the left side of the channel editing screen. Auto setup - more you can do Adjust the programmed channels Press HOME, then use b B to select [Setup] option. Press ENTER while [Start] is selected. The SETUP menu appears on the screen.

Select the [Program Edit] on the second level options then press B to move to the third level. Press ENTER while [Edit] option is selected. The channel editing screen appears on the screen. Select which channel you would like to edit and press ENTER. An option menu appear on the left side of the screen. [PR]: Indicates the selected channel position. [Seek]: Searchs for a channel automatically. Searching stops when the unit tunes in a channel. [Ch.] Changes the channel number. [MFT] Fine tunes the channel to obtain a clearer picture. [OK]: Confirm the settings and return to the channel list menu. Using the Home Menu ON REMOTE 1 Displays the HOME menu: 2 Select a main option: 3 Select a sub option: 4 Exit the HOME menu: HOME bB vV HOME 13 Using the Home Menu - more you can do Setup Start Displays SETUP menu. (page 15-18) Adjust the SETUP settings ON REMOTE 1 Displays the HOME menu: 2 Select the [Setup] option: 3 Select the [Start] option: 4 Select a desired option on the first level: 5 Move to second level: 6 Select a desired option on the second level: 7 Move to third level: 8 Adjust or confirm the setting: 9 Go back to the previous level: HOME bB MOVIE DISC Displays [Title List] menu, which shows recorded titles on the disc. (page 25) Displays [Movie List] menu, which shows DivX® movie files on the disc.

(page 21) Plays DVD-Video disc (page 20).

USB Displays [Movie List] menu on the USB Flash Drive. (page 21) ENTER vV B vV B v V, ENTER b PHOTO DISC Displays [Photo List] menu, which shows photo files on the disc. (page 23) USB Displays [Photo List] menu, which shows photo files on the USB Flash Drive. (page 23) MUSIC DISC Displays [Music List] menu, which shows music files or audio tracks on the disc. (page 22) USB Displays [Music List] menu, which shows music files on the USB Flash Drive. (page 22) Easy Menu Disc Manager Displays the disc settings menu. (page 18) DV Input Changes to DV Input mode. Rec Mode Displays [Disc Record Mode] option in the SETUP Menu. (page 17) First level Second level TV Auto Ch.

Scan Displays [Auto Programming] option in the SETUP Menu. (page 15) PR Edit Displays [Program Edit] option in the SETUP Menu. (page 13) Timer Record Displays [Timer Record] menu. (page 24) Third level 14 Adjust the SETUP settings - more you can do Adjust the general settings AV2 Connection You can connect a decoder or the other device to the AV2(DECODER) jack on the rear panel. [Decoder]: Select this when you connect a PAY-TV or Canal Plus decoder to the AV2(DECODER) jack on the unit.

[Other Device]: Select this when you connect a VCR or similar recording device to the AV2(DECODER) jack on the unit. Video output format Select an option according to the TV connection type. [YPbPr]: When your TV is connected to the COMPONENT OUTPUT jacks on the unit. [RGB]: When your TV is connected to the SCART jack on the unit. Auto Programming This option automatically scans and sets the available channels.

[Start]: Start the channel scanning. Program Edit This option allows you to add channels and edit preset channels. [Edit]: Displays the screen which show preset channel list and channel editing options. (page 13) Clock Set The clock must be set in order to use [Timer record]. TV Aspect Selects the aspects ratio of the connected TV. [4:3 Letter Box]: Select this when connecting to a standard 4:3 screen TV and prefer the wide picture with bands on the upper and lower portions of the screen. [4:3 Pan Scan]: Select this when connecting to a standard 4:3 screen TV and prefer the wide picture on the entire screen cuts off the portions that do not fit. [16:9 Wide]: Select this when connecting to a wide-screen TV. Power Save mode Selects whether this unit is in power save mode when the power is turned off. This option is not available when a timer recording is set.

[ON]*1: The front panel display is off and only signals arriving at the antenna input are passed through when the unit is turned off. [OFF]: Turns off the [Power Save Mode]. *1 If you turns off the unit while receiving encoded signals, the power save mode does not work Factory Set You can reset the unit to all its factory settings. Some options cannot be reset (Rating, Password, and Area Code). The auto setup menu appears on the screen after the factory settings. 15 Adjust the language settings Sampling Freq. (Frequency) Selects the sampling frequency of the audio signal. [48 kHz]: 48 kHz]: The digital audio signals are output in their original format upto 48 kHz. In case of DVD with 96KHz sampling, Output is converted to 48kHz. If your receiver or amplifier is NOT capable of handling 96 kHz signals, select [48 kHz].

[96 kHz]: The digital audio signals are output in their original sampling format. DRC (Dynamic Range Control) Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect. Display Menu Select a language for the Setup menu and on-screen display. Disc Menu/Audio/Subtitle Select a language for the Menu/Audio/Subtitle.

[Original]: Refers to the original language in which the disc was recorded. [Others]: To select another language, press number buttons to enter the corresponding 4-digit number according to the language code list on page 29. If you make a mistake while entering number, press CLEAR repeatedly to delete numbers one by one then correct it. [OFF] (for Disc Subtitle): Turn off Subtitle. Vocal Select [On] to mix karaoke channels into normal stereo. This function is effective for multi-channel karaoke DVDs only. Adjust the lock settings Adjust the audio settings Dolby Digital / DTS / MPEG Selects the type of digital audio signal when using the DIGITAL AUDIO OUTPUT jack. [Bitstream] Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an audio component with a built-in Dolby Digital, DTS or MPEG decoder. [PCM] (for Dolby Digital / MPEG) Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an audio component without a built-in Dolby Digital or MPEG decoder. [Off] (for DTS) Select this when you connect this unit's DIGITAL AUDIO OUTPUT jack to an audio component without a built-in DTS decoder. To access the Rating, Password or Area Code options, you must enter the 4digit password. If you have not yet entered a password you are prompted to do so. Enter a 4-digit password. Enter it again to verify. If you make a mistake while entering number, press CLEAR repeatedly to delete numbers one by one then correct it.

If you forget your password, you can reset it. Displays the SETUP menu. Input '210499' and select [OK] to confirm. The password has now been cleared. Rating Select a rating level. The lower the level, the stricter the rating. Select [No Limit] to deactivate the rating. Set Password Changes or deletes the password. [Change]: Enter the new password twice after entering the current password. [Delete]: Delete the current password after entering the current password.

Area code Select a code for a geographic area as the playback rating level. This determines which area's standards are used to rate DVDs controlled by the parental lock. See the Area Codes on page 29. 16 Adjust the recording settings Adjust the disc settings Disc Record Mode Select the picture quality for recording from XP, SP, LP, EP or MLP. See recording time of each mode on page 32.

[XP]: Highest picture qualilty. [SP]: Standard picture quality. [LP]: Slightly lower picture quality than [SP] mode. [EP]: Low picture quality. [MLP]: The longest recording time with the lowest picture quality.

@@Some digital camcorders have two stereo tracks for audio. @@@@On the Audio 2 setting, the overdubbed sound is used. @@@@@@[CVBS]: Inputs CVBS(composite) video signals. [RGB]: Inputs RGB signals. [S-VIDEO]: Inputs S-Video signals. @@@@The [Initialize] menu appears. The unit starts formatting after confirmation. You can select a mode between VR and Video for DVD-RW discs. The everything recorded on the DVD will be erased after formatting. @@(You can play a DVD-R, DVD+R, DVD+RW, discs in a regular player).

@@@@Finalize Finalizing is necessary when you play disc recorded with this unit on other DVD equipment. @@[Finalize]: The [Finalize] menu appears.

The unit starts finalizing after confirmation. @@@@@@@Discs are automatically finalized when removed from the unit. @@@@The keyboard menu appears by pressing ENTER while [Edit] is selected. @@@@@@For more information, visit www.divx.com/vod. @@@@@@@The time search box shows the elapsed playing time. @@@@@@@@@@@During playback, press DISPLAY twice to display the playback menu. @@@@c Indicates channel number, station name, and audio signal (STEREO, MONO) received by the tuner. d Indicates current audio channel. e Indicates current date and time. Selecting a sound mode DVD ALL DivX This unit can produce a 3D Surround effect, which simulates multi-channel audio playback from two conventional stereo speakers, instead of the five or more speakers normally required to listen to multi-channel audio from a home theater system. During playback, press DISPLAY twice to display the playback menu.

Use v V to select the sound option then use b B to select desired sound mode (3D SUR. or NORMAL). 19 Play a disc ON REMOTE 1 Open the disc tray: 2 Insert a disc: 3 Close the disc tray: 4 Adjust the disc menu settings: A disc menu may not appears on the screen depending on the disc. Fast forward or fast reverse DVD ALL ACD DivX Z OPEN/CLOSE (Z) Z OPEN/CLOSE (Z) vVbB Press SCAN (m or M) to play fast forward or fast reverse during playback. You can change the various playback speed by pressing SCAN (m or M) repeatedly.

Press PLAY (N) to continue play at normal speed. Hearing a different audio DVD ALL DivX Press AUDIO then press b or B repeatedly to hear a different audio language, audio track or encoding method. Slow down the playing speed DVD ALL N PLAY (N) x STOP (x) While playback is paused, press SCAN(bb or BB) to slow down forward or reverse playback. You can change the various playback speed by pressing N SCAN (m or M) repeatedly. Press PLAY (N)to continue play at normal speed. 5 Starts playback: 6 Stops playback: Play a disc - more you can do Playing a disc that contains a menu DVD The menu screen may be displayed first after loading a DVD which contains a menu. DVD Use the b / B / v / V buttons to select the title/chapter you want to view, then press ENTER to start playback. Press TITLE or MENU/LIST to return to the menu screen. Playing repeatedly DVD ALL ACD MP3 WMA Press PLAY MODE repeatedly to select an item to be repeated. The current title, chapter or track will be played back repeatedly.

To return to normal playback, press PLAY MODE repeatedly to select [Off]. Repeating a specific portion (A-B) DVD ALL ACD Skip to the next/previous chapter/track/file DVD ALL ACD MP3 WMA DivX Press SKIP (>) to move to the next chapter/track/file. Press SKIP (.) to return to the beginning of the current chapter/track/file. Press SKIP (.) twice briefly to step back to the previous chapter/track/file. Press PLAY MODE to select [A-] at the beginning of the portion you wish to repeat and press ENTER at the end of the portion. Your selected portion will be repeated continually. To return to normal playback, press PLAY MODE repeatedly to select [Off]. Watching a enlarged video image DVD ALL Pause a playback Press PAUSE/STEP (X) to pause playback. Press PLAY (N) to continue playback. During playback or pause mode, press ZOOM repeatedly to select zoom mode. You can move through the zoomed picture using vVb B buttons. Press CLEAR to exit. Marking a favorite scene DVD ALL You can mark positions by pressing MARKER at the desired position up to six markers.

Also you can recall or clear positions by pressing SEARCH. Use b / B / v / V to select a desired marker, then press ENTER to recall it or CLEAR to clear it. Frame-by-Frame playback DVD ALL DivX Press PAUSE/STEP (X) repeatedly to play Frame-by-Frame playback. 20 Viewing the Title menu DVD If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appears.

Last Scene Memory DVD This unit memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off the unit. If you load a disc that has the scene memorized, the scene is automatically recalled. Notice for displaying DivX® subtitle If the subtitle does not display properly, press PAUSE/STEP when the subtitle appears. Then press and hold SUBTITLE about 3 seconds to display the language code menu. @@@@@@@@@@@@@@@@@@@@@@To return to normal playback, select [Random] option again then press ENTER. Displaying MP3/WMA file information Press DISPLAY while the file you want to show the file information is selected. The unit shows the ID3-Tag information of the file. If the file does not have ID3-Tag information, [ID3-Tag: None] appears on the screen. PLAY STOP MP3/WMA audio file requirement File extensions: ".

mp3", ".wma". Sampling frequency: within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA) Bit rate: within 8 - 320kbps (MP3), within 32 - 192kbps (WMA) CD-R Format: ISO 9660 and JOLIET. DVD±R/RW Format: ISO 9660 (UDF Bridge format) Maximum Files/Disc: Less than 650 (total number of files and folders) Listening to a music - more you can do Music List menu options Select which file/track you would like to show menu and press ENTER. A menu appears on the left side of the screen. Audio CD MP3/WMA [Play]: Starts playback the selected file/track. [Random]: Starts or stops random playback. [Open]: Opens the folder and a list of files in the folder appears. 22 Viewing a photo ON REMOTE 1 Displays the HOME menu: 2 Selects a [PHOTO] option: 3 Selects an option that contains photo file: 4 Selects a photo from the menu: 5 Displays the selected photo in full screen: 6 Returns to the Photo List: HOME bB v V ENTER vVbB Viewing photo files as a slide show To slide show photos in the [Photo list], select the [Slide Show] option on the left side of the screen then press ENTER, The [Slide Show] menu appears on the screen. Set the [Object] and [Speed] options then press ENTER while [Start] option is selected. The unit starts slide show as you set on the menu. [Object] option: [Selected] Views slide show only selected files. Use the MARKER button to select multiple files. [All] Views slide show all files. [Speed] option: Sets the Slide Show speed to [Slow], [Normal], or [Fast].

PLAY STOP Pause a slide show Viewing a photo - more you can do Photo List menu options Select which file/track you would like to show menu and press ENTER. A menu appears on the left side of the screen. Press PAUSE/STEP to pause a slide show. Press PLAY to continue the slide show. Photo file requirement File extension: ".

jpg" Photo size: Less than 4MB recommended CD-R Format: ISO 9660 and JOLIET. DVD±R/RW Format: ISO 9660 (UDF Bridge format) Maximum Files/Disc: Less than 650 (total number of files and folders) Notes on JPEG file Progressive and lossless compression JPEG image files are not supported.

Depending on the size and number of the JPEG files, it may take several minutes to read the contents of the media. [Full Screen]: Shows the selected file in full screen. [Open]: Opens the folder and a list of files in the folder appears. [Slide Show]: Displays the [Slide Show] menu. Skip to the next/previous photo Press SKIP (. or >) to view the previous/next photo while displayed in full screen. Rotate a photo Use vV to rotate the photo while displayed in full screen. 23 Recording Follow the instruction below to record a TV channel or other source.

The recording continues until the media is full or you stop the recording. 1 Selects a recording mode: You can select a recording mode on the SETUP menu. (XP, SP, LP, EP or MLP) 3 Starts recording: 4 Stops recording: ON REMOTE HOME vVbB Press HOME and select TV option. Press v V to select the [Timer Record] and press ENTER to display [Timer record List] menu. Use v V to select [New] and press ENTER to display [Timer Record] menu. Adjust the each field using v V b B. [PR]: Choose a memorized program number, or one of the external inputs from which to record. (You cannot select DV input.) [Date]: Choose a date up to 1 month in advance. [Start Time]: Set the start time.

[End Time]: Set the end time. [Mode]: Choose a record mode (XP, SP, LP, EP, MLP or AT). AT (Auto) mode determines how much time is available on the disc and switches record mode, if necessary, to complete recording the program. Press ENTER to set a timer recording. The "Rec OK" on the [Check] field on the [Timer Record List] menu indicates the timer recording is programmed correctly.

ENTER REC STOP 2 Selects a channel or source you want to record: PR(+, -) or AV/INPUT Recording - more you can do Instant timer recording Instant timer recording allow you to make a recording of preset length easily. When the REC is first pressed, recording starts. Press REC repeatedly to select a certain amount of time. Each press of REC to displays the increased recording time on-screen. You can set the instant timer recording within the free space available.

To Pause the Recording Press PAUSE/STEP to pause recording. When you want to continue recording, press PAUSE/STEP. Canceling a timer record You can cancel a timer record before the timer recording actually starts. Select a timer recording that you want to cancel on the [Timer Record List] menu and press CLEAR to confirm. Setting a timer record This unit can be programmed to record up to 16 timer recording within a month. The clock must be set correctly before setting a timer record. 24 Timer Recording Troubleshooting Even though the timer is set, the unit will not record when: There is no disc loaded. A non-recordable disc is loaded. [Disc Protect] option is set to [ON] in the Setup menu (see page 18). The unit is in operating (recording, deleting etc.

). There are already 99 titles (DVD-RW, DVD-R), 49 titles (DVD+R, DVD+RW) recorded on the disc. You cannot enter a timer program when: A recording is already underway. The time you're trying to set has already passed. There are already 16 timer programs set. If two or more timer programs overlap: The earlier program takes priority. When the earlier program finishes, the later program starts. If two programs are set to start at exactly the same time, the program entered first takes priority. Editing a title Using the Title list menu,you can edit video contents. 1 Displays a [Title List] menu: 2 Selects a title you want to edit: ON REMOTE MENU/LIST vVbB 3 Displays an editing menu: ENTER The options are differ depending on the media type.

4 Selects a menu option: 5 Exit the [Title List] menu: v V b B, ENTER RETURN Editing a title - more you can do About title list menu Press MENU/LIST to display the Title List menu. Playback should be stopped when you do this. You can also access it using HOME menu, select [MOVIE] option then select [DISC] option and press ENTER. If you are editing a VR mode disc, press MENU/LIST to switch between Original and Playlist menu. a b c d e f Recording From an external inputs You can record from an external component, such as a camcorder or VCR, connected to any of the recorder's external inputs. Each press of the AV/INPUT changes the input source as described below. Make sure that the component you want to record from is connected properly to the unit before recording an external source. Tuner: Built-in tuner AV1: AV1 scart jack mounted on back panel AV2: AV2 DECODER scart jack mounted on back panel AV3: AV IN 3 (VIDEO, AUDIO (L/R)) mounted on the front panel a Current media @ @c Menu options: To display menu option, select a title or chapter then press ENTER. The options displayed differ depending on the disc type. d Currently selected title.

e Thumbnail f Shows the title name, recorded date, and recording length. 25 Before editing This unit offers various edit options for various disc types. Before you edit, check the disc type, and select the option available for your disc. You can enjoy advanced edit functions with VR mode formatted DVD (DVDRW). Editing either the original recording(called the "orginal"), or the playback information created from the original (called a "Playlist"). Edits made to the original titles are final. If you plan to edit a title without editing the original title, you can create a Playlist title for editing. A Playlist is a group of Playlist titles created from the original title for editing purpose. Titles in the disc's original content contain one or more chapters. When you insert a disc's title into the Playlist, all the chapters within that title also appear.

In other words, chapters in the Playlist behave exactly as chapters on a DVDVideo disc do. Parts are sections of Original or Playlist titles. From the Original and Playlist menu you can add or delete parts. Adding a chapter or title to the Playlist creates a new title made up of a section (ie., chapter) of an Original title. Deleting a part removes part of a title from the Original or Playlist menu. Chapter search -RWVR -RWVideo +RW +R -R You can select the start of a title by searching a chapter. Select a title that you want to search and press ENTER. Select [Chapter] in the [Search] option from the menu on the left of the screen, and press ENTER to display the [Chapter List] menu. Use v V b B to find the chapter you want to start playback, and press PLAY to start playback. Making a new PlayList -RWVR The PlayList allow you to edit or re-edit a title or chapter without changing the Original recordings. Use this function to add an Original title or chapter to a new PlayList or the registered Playlist. Adding chapter markers -RWVR +RW +R You can create chapters within a title by inserting chapter marks at the desired point. Press CHP.ADD at the desired point while playback or recording.

A chapter marker icon appears on the screen.

The chapter markers can be added at regular interval automatically by setting the [Auto Chapter] option in the SETUP menu. Select an Original title or chapter that you want to put into the PlayList then press ENTER. Select the [Playlist Add] option and then press ENTER to display the [Select PlayList] menu. Choose a PlayList-title that you want to put the selected Original title or chapter or select the [New PlayList] to create a new PlayList.
Changing the thumbnail -RWVR +RW +R Each title displayed in the Title List menu is represented by a thumbnail picture taken from the start of that title or chapter. Press THUMBNAIL to make the currently displayed picture that appears in the Title List menu. Moving a PlayList chapter -RWVR Use this function to re-arrange the playing order of a PlayList title on the [Chapter List-Playlist] menu. Select [Move] option from the menu on the left of the [Chapter List-Playlist] screen and press ENTER. Use v V b B to choose the place you want to move the chapter then press ENTER. The updated menu is displayed Deleting a title or chapter When you delete a title or chapter from the PlayList, the title or chapter in the Original still remains. However, if you delete a chapter or title from Original, the title or chapter deleted from the Original are also removed from PlayList. Select a title or chapter that you want to delete and press ENTER. Select [Delete] option from the menu on the left of the screen and press ENTER to confirm 26 Time search -RWVR -RWVideo +RW +R -R Deleting a part -RWVR You can delete a part which you do not want in the title. You can select the start of a title by searching time.

Select a title that you want to search and press ENTER. Select [Time] in the [Search] option from the menu on the left of the screen and press ENTER to display the [Search] menu. Use b B to find the time you want to start. Each press of b B to moves 1 minute and press and hold b B to moves 5 minutes. Press ENTER to watch a title from a selected time. Select a title that you want to delete part and press ENTER. Select [Delete Part] in the [Edit] option from the menu on the left of the screen and press ENTER to display the [Delete part] menu. You can find the point using PLAY, SCAN, PAUSE/STEP buttons. [Start Point]: Select starting point of a part that you want to delete then press ENTER. [End Point]: Select ending point of a part that you want to delete then press ENTER.
[Cancel]: Press ENTER to cancel the selected part. [Done]: Press ENTER to delete the selected part. Hiding a chapter or title +RW +R You can skip through playing chapters or titles without actually deleting them. Select a chapter or title you want to hide and press ENTER. Select [Hide] in the [Edit] option then press ENTER.
If you want to recover the hidden title or chapter, select the hidden title or chapter and press ENTER. Select [Show] in the [Edit] option then press ENTER to recover it. Dividing a title +RW Use this function to split a title up into two titles. Select a title that you want to divide and press ENTER. Select [Divide] in the [Edit] option from the menu on the left of the screen and press ENTER to display the [Divide] menu.
Find the point you want to divide a title using PLAY, SCAN, PAUSE/STEP buttons and press ENTER while [Divide] option is selected. The playback screen shows the divided point. @@@@Select a title you want to protect and press ENTER. Select [Protect] option from the menu on the left and press ENTER. The lock mark will appears on the title thumbnail. @@@@Select the TV channel or input source you want to record. Press MENU/LIST to display the Title List menu. Use v V b B to highlights a title you want to overwrite and then press REC to start overwrite. To stop the recording, press STOP. If you overwrite the longer recording than the current title on the fully recorded disc, the next title is overwritten.

If next title is protected, the overwriting stops at the starting point of the title. Select a title that you want to change a name and press ENTER. Select [Title Name] option from the menu on the left of the screen and press ENTER to display the keyboard menu. @@[OK]: Finish the naming. [Cancel]: Cancels all entered characters. [Space]: Inserts a space at the cursor position. [Delete]: Deletes the previous character at the cursor position. @@X (PAUSE/STEP): Deletes the after character at the cursor position. @@. / >: Moves cursor to left or right.
MENU/LIST, DISPLAY: Changes the character set on the keyborard menu. @@Select a chapter and press ENTER. Select [Combine] option to views combine indicator between chapter thumbnails. Press ENTER to combine indicated two chapters. This function is not available in conditions as listed below. There is only one chapter within the title. The first chapter is selected. The chapters that you want to combine are created by deleting a part from an Original title. The chapters that you want to combine are created from different titles. One of the playlist chapter that you want to combine has been moved.
28 Language Codes Use this list to input your desired language for the following initial settings: Disc Audio, Disc Subtitle, Disc Menu. Language Afar Afrikaans Albanian Ameharic Arabic Armenian Assamese Aymara Azerbaijani Bashkir Basque Bengali; Bangla Bhutani Bihari Breton Bulgarian Burmese Byelorussian Chinese Code 6565 6570 8381 6577 6582 7289 6583 6588 6590 6665 6985 6678 6890 6672 6682 6671 7789 6669 9072 Language Croatian Czech Danish Dutch English Esperanto Estonian Faroese Fiji Finnish French Frisian Galician Georgian German Greek Greenlandic Guarani Gujarati Code 7282 6783 6865 7876 6978 6979 6984 7079 7074 7073 7082 7089 7176 7565 6869 6976 7576 7178 7185 Language Hausa Hebrew Hindi Hungarian Icelandic Indonesian Interlingua Irish Italian Javanese Kannada Kashmiri Kazakh Kirghiz Korean Kurdish Laothian Latin Latvian, Lettish Code 7265 7387 7273 7285 7383 7378 7365 7165 7384 7487 7578 7583 7575 7589 7579 7585 7679 7665 7686 Language Lingala Lithuanian Macedonian Malagasy Malay Malayalam Maori Marathi Moldavian Mongolian Nauru Nepali Norwegian Oriya Panjabi Pashto, Pushto Persian Polish Portuguese Code 7678 7684 7775 7771 7783 7776 7773 7782 7779 7778 7865 7869 7879 7982 8065 8083 7065 8076 8084 Language Quechua Rhaeto-Romance Rumanian Russian Samoan Sanskrit Scots Gaelic Serbian Serbo-Croatian Shona Sindhi Singhalese Slovak Slovenian Spanish Sudanese Swahili Swedish Tagalog Code 8185 8277 8279 8285 8377 8365 7168 8382 8372 8378 8368 8373 8375 8376 6983 8385 8387 8386 8476 Language Tajik Tamil Telugu Thai Tonga Turkish Turkmen Twi Ukrainian Urdu Uzbek Vietnamese Volapük Welsh Wolof Xhosa Yiddish Yoruba Zulu Code 8471 8465 8469 8472 8479 8482 8475 8487 8575 8582 8590 8673 8679 6789 8779 8872 7473 8979 9085 Area Codes Choose an area code from this list. Area Afghanistan Argentina Australia Austria Belgium Bhutan Bolivia Brazil Cambodia Canada Chile China Colombia Congo Code AF AR AU AT BE BT BO BR KH CA CL CN CO CG Area Costa Rica Croatia Czech Republic Denmark Ecuador Egypt El Salvador Ethiopia Fiji Finland France Germany Great Britain Greece Code CR HR CZ DK EC EG SV ET FJ FI FR DE GB GR Area Greenland Hong Kong Hungary India Indonesia Israel Italy Jamaica Japan Kenya Kuwait Libya Luxembourg Malaysia Code GL HK HU IN ID IL IT JM JP KE KW LY LU MY Area Maldives Mexico Monaco Mongolia Morocco Nepal Netherlands Netherlands Antilles New Zealand Nigeria Norway Oman Pakistan Panama Code MV MX MC MN MA NP NL AN NZ NG NO OM PK PA Area Paraguay Philippines Poland Portugal Romania Russian Federation Saudi Arabia Senegal Singapore Slovak Republic Slovenia South Africa South Korea Spain Code PY PH PL PT RO RU SA SN SG SK SI ZA KR ES Area Sri Lanka Sweden Switzerland Taiwan Thailand Turkey Uganda Ukraine United States Uruguay Uzbekistan Vietnam Zimbabwe Code LK SE CH TW TH TR UG UA US UY UZ VN ZW 29 Troubleshooting General The power does not turned on.

b Plug the power cord into the wall outlet securely. There is no picture. b Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen. b Connect the video connection securely. b Check the [Video Output Format] in SETUP menu is set to the appropriate item that conforms to your video connection. Picture noise appears. b You are playing a disc recorded in a color system that is different form your TV.

b Cancel the Rating function or change the rating level. Cannot play a disc recorded using this unit on other player. b Finalize the disc. b Check the disc compatibility of the player. b Place the disc on the disc tray correctly inside the guide. b Discs recorded with copy-once material cannot be played on other players. The angle cannot be changed. b Multi-angles are not recorded on the DVD Video being played. b The angle cannot be changed for the titles recorded on this unit. The subtitle language cannot be changed or turned off.

b Subtitles are not recorded on the DVD Video being played. b The subtitle cannot be changed for the titles recorded on this unit. Cannot play MP3/WMA/JPEG/DivX files. b The files are not recorded in a format that the unit can play. b The unit does not support the codec of the DivX movie file. b The video signal from the external component is copy-protected. b Set the resolution that your TV can accepts. The channel is not found or stored. b Check your antenna connection. There is no sound.

b Connect the audio connection securely. b The input source setting on the amplifier or the connection to the amplifier is incorrect. b The resolution is higher than the unit can support. Recording Cannot record or does not record successfully. b Check the remaining space on the disc. b Check that the source you are trying to record in not copy protected. b The power may have failed during recording. b Use a VR mode formatted disc for copy-once material. Timer record does not record successfully. b Clock is not set to correct time.

b The start time of the timer recording is past. b Two timer recordings may have overlapped, in which case only the earlier one will record completely. b The unit is in scan, slow motion, or pause mode. The remote control does not work properly. b b b b The remote control is not pointed at the remote sensor of the unit. The remote control is too far from the unit. There is an obstacle in the path of the remote control and the unit. The batteries in the remote control are exhausted. Playback The unit does not start playback. b Insert a playable disc.

(Check the disc type, color system, and regional code.) b When setting the recording channel, make sure you set the unit's built-in tuner, not the TV's built-in tuner. b Place the disc with the playback side down. b Place the disc on the disc tray correctly inside the guide. b Clean the disc.

30 Stereo Audio Record and/or Playback is not present. b TV is not Stereo-compatible. b Broadcast program is not in stereo format. b The A/V Output jacks on the unit are not connected to TV A/V In jacks. Resetting the unit If you observe any of the following symptoms.

The unit is plugged in, but the power will not turn on or off. The front panel display is not working. The unit is not operating normally. You can reset the unit as follows. Press and hold the POWER button for at least five seconds. This will force the unit to power off then turn the unit back on. Unplug the power cord, wait at least five seconds, and then plug it in again. 31 Specifications General Power requirements Power consumption Dimensions (approx.) Net weight (approx.) Operating temperature Operating humidity Television system Recording format AC 200-240V, 50/60 Hz 15W 430 X 49 X 245 mm (w x h x d) without foot 2.

5 kg 5°C to 35°C 5 % to 65 % PAL I, B/G, I/I, SECAM D/K, K1 color system PAL Playback Frequency response DVD (PCM 48 kHz): 8 Hz to 22 kHz, CD: 8 Hz to 20 kHz DVD (PCM 96 kHz): 8 Hz to 44 kHz More than 100 dB (AUDIO OUT connector) Less than 0.008% (AUDIO OUT connector) Signal-to-noise ratio Harmonic distortion Inputs Dynamic range ANTENNA IN VIDEO IN AUDIO IN More than 95 dB (AUDIO OUT connector) Antenna input, 75 ohms 1.0 Vp-p 75 ohms, sync negative, RCA jack x 1 / SCART x 2 2.0 Vrms more than 47 kohms, RCA jack (L, R) x 1 / SCART x 2 4 pin (IEEE 1394 standard) 4 pin (USB 1.1 standard) Recording Recording format Recordable media Recordable time DVD Video Recording, DVD-VIDEO DVD-RW, DVD-R, DVD+RW, DVD+R DVD (4.7GB): Approx. 1 hour (XP mode), 2 hours (SP mode), 4 hours (LP mode), 6 hours (EP mode), 14 hours (MLP mode) DV IN USB IN Outputs VIDEO OUT S-VIDEO OUT 1 Vp-p 75 , sync negative, SCART x 2 (Y) 1.0 V (p-p), 75 , sync negative, Mini DIN 4-pin x 1(C) 0.3 V (p-p) 75 (Y) 1.0 V (p-p), 75 , sync negative, RCA jack x 1, (PB)/(PR) 0.

7 V (p-p), 75 , RCA jack x 2 0.5 V (p-p), 75 , RCA jack x 1 3 V (p-p), Optical connector x 1 2 Vrms (1 kHz, 0 dB), 600 , RCA jack (L, R) x 1/ SCART x 2 Video recording format Sampling frequency Compression format Audio recording format Sampling frequency Compression format 27MHz MPEG2 (VBR supported) 48kHz Dolby Digital COMPONENT VIDEO OUT Audio output (digital audio) Audio output (optical audio) Audio output (analog audio) Accessories RF cable (1), Remote control (1), Batteries (1) 32 .