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You can read the recommendations in the user guide, the technical guide or the installation guide for MITSUBISHI DX-TL304E. You'll find the answers to all your questions on the MITSUBISHI DX-TL304E in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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DIGITAL RECORDER
USER'S MANUAL

MODEL
DX-TL308E
DX-TL304E



THIS INSTRUCTION MANUAL IS IMPORTANT TO YOU. PLEASE READ IT BEFORE USING YOUR DIGITAL RECORDER.

ENGLISH
DEUTSCH
FRANCAIS
ESPAÑOL
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ITALIANO
NEDERLANDS
OTHERS



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Manual abstract:

Convenient function (Reference for operation) Shows the operating procedures for related functions. Troubleshooting See "Troubleshooting" in the User's Guide (Installation Manual) and take appropriate measures. Note The illustration in this manual shows an example of DXTL308E. 2 Caution and care NEVER TOUCH OR INSERT ANY OBJECT INSIDE THE UNIT Touching the inside of the cabinet or inserting foreign objects of any kind through ventilation holes not only creates a safety hazard but can also cause extensive damage. PROTECT THE POWER CORD Damage to the power cord may cause fire or shock hazard. If the power cord is damaged, turn OFF the MAIN switch and carefully unplug the cord by holding the main plug. If this unit is moved with the power on status, the built-in HDD may be damaged. Confirm that more than one minute have passed since the power cord and the connecting cords were disconnected, then move this unit. UNPLUG THE POWER CORD DURING A LONG ABSENCE Turn off the power and unplug the power cord during a long absence. MAINTAIN GOOD VENTILATION Do not obstruct the many ventilation holes on the unit.

For maximum ventilation, leave some space around the unit and place the unit on a hard level surface only, and ensure it is not covered during use. Heavy objects should never be placed on the unit. WHEN NOT IN USE When not in use, always turn OFF the MAIN switch. CABINET CARE Never use petroleum-based cleaners. Clean with a soft cloth moistened with soap and water and wipe dry.

PVC cables or leads should not be left in contact with the cabinet surface for long periods. INSTALLATION LOCATION For excellent performance and lasting reliability install in a location that is: 1. Well ventilated, out of direct sunlight and away from direct heat. 2. A solid vibration-free surface. 3. Free from high humidity, excessive dust and away from magnetic fields. 4. Please ensure that the ventilation fan located on the unit's back panel is not blocked. UNSUITABLE LOCATIONS Placing the unit in the following places might shorten the product life: · Extremely cold places, such as refrigerated warehouses and ice houses · Places where excessive hydrogen sulfide is likely to be generated, such as hot-springs areas · Places or locations with salt air environment. THIS EQUIPMENT DOES NOT PROVIDE CONNECTION FOR USED WITH OUTDOOR OR CABLE DISTRIBUTION SYSTEMS. NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS. DO NOT PLACE HEAVY OBJECT ON THIS UNIT. DO NOT STEP ONTO THIS UNIT. The unit may drop or fall by losing its balance.

It may cause injury or failure of the unit. WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. THIS APPARATUS MUST BE GROUNDED. MAINS LEAD CONNECTION The mains lead on this Unit is fitted with a non-rewireable mains plug, incorporating a 5A fuse. If you need to replace the fuse, use a 5A fuse approved by BSI or ASTA to BS 1362, ensuring you refit the fuse cover. If the mains plug is not suitable for the sockets in your home, and you require to remove the plug, remove the fuse, cut off the plug then dispose of the plug immediately, to avoid a possible electric shock hazard. To refit a new plug, follow these instructions; Green-and-yellow: Earth, Blue: Neutral and Brown: Live. As the colours in the mains lead of this Unit may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. · The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or coloured green or green-and-yellow. · The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. · The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. This unit complies with the requirements of the EC Directive 2004/108/EC, "EMC Directive" and 2006/95/EC, "Low Voltage Directive". The requirements for the susceptibility according to EN 55024 and the requirements for interference according to EN 55022 are observed for the operation on residential areas, business, light industrial premises and in small scale enterprises, inside as well as outside of the building. All places of operation are characterised by their connection to the public low voltage power supply system. This unit is manufactured in accordance with EN 60950-1.

Beginning 3 ENGLISH HEAVY OBJECTS SHOULD NEVER BE PLACED ON THE UNIT (E.G., MONITOR) Caution and care (continued) Warning This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Note: This symbol mark is for EU countries only.

This symbol mark is according to the directive 2002/96/EC Article 10 Information for users and Annex IV, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II. Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste. If a chemical symbol is printed beneath the symbol shown above, this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This will be indicated as follows: Hg: mercury (0,0005%), Cd: cadmium (0,002%), Pb: lead (0,004%) In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.

Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/ recycling centre. Please, help us to conserve the environment we live in! About the hard disk drive (HDD) · This unit is equipped with HDD, which is a very delicate device. Therefore, handle this unit carefully. · Don't expose this unit to vibrations and shocks. It may be damaged when exposed to vibrations and shocks especially during power-on or access to the HDD.

· Don't unplug the power cord during recording/playback or power-on. · This unit is equipped with a system that automatically resumes and continues recording in the event of a minor failure in the HDD or other components during recording. However, depending on the type of a failure in the HDD, this unit may not be able to continue recording. For early detection of failures, it is recommended to have this unit inspected every year. · In the event of a fault in the HDD, replace it immediately. For replacement of the HDD, please contact your Mitsubishi dealer. (To replace the HDD, it is required to stop recording.) · Use recommended HDD only. For HDD supported by this unit, please contact your Mitsubishi dealer.



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For more information, visit <http://www.mpegla.com>. (3) Playback of video recorded by the recorder using a personal computer in which the PC viewing/communication software or the OCX software for Web browser is installed, or playback of video recorded by the recorder using a Web browser. 10 Software License Agreement ENGLISH This Software License Agreement ("Agreement") is an agreement between you ("User") and Mitsubishi Electric Corporation ("Licensor") with regard to the license to use Licensed Software. Article 1 (Grant of license) Licensor hereby grants to User a nonexclusive, nontransferable license to use Licensed Software. Article 2 (License) 1. The license to use Licensed Software granted hereunder shall mean the User's right to use Licensed Software solely on this Product. User is hereby allowed to refer to the descriptions and instructions related to Licensed Software contained in the user's guide of this Product to the extent necessary for use of such Licensed Software. 2.

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If any doubt arises in relation to matters not defined herein or interpretation hereof, Licensor and User shall discuss such doubt and attain a solution in a faithful manner. Beginning 11 Adjusting the built-in clock 1 Left-click the mouse to display <Main menu>. You can display <Main menu> also by pressing the SET UP button on the front panel. 2 Select "Setup" to display the <Setup> screen. Setup 3 Select "Setting" next to "Clock and language setting" to display the <Clock and language> screen. Setup Clock and language setting Setting 4 Click on each of date, month, year, hour, minute, and second until the desired value appears. ? Clock and language Clock setting (SNTP is active) 5 6 7 Click "Set." Select [Setting] next to [Present time zone]. <Zone setting of time> screen appears. 4 01 - 12 - 20 08 00 : 00 : 00 Set Setting Present time zone GMT 5 6 8 Day light saving setting Auto Set Language setting ENGLISH Set Set the time zone depending on the location of the recorder and then select [Set].

After finishing the setting, select [Return] to return to the screen of step 4. 9 E:Return 8 Set the day light saving setting. "Auto": Automatically adjusts the clock according to the settings.



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For the detailed settings, select "Set" and then use the [In] area to set the time and date for advancing the clock and [Out] area for putting back the clock. "Off": Auto day light saving function is not used. 9 Close the menus. 12 Playing back recorded images 1 2 3 Press the PLAY button on the front panel. You can play back images even during recording. 2 Press the PAUSE button to pause playback. (Still image playback) Press the STOP button to stop playback. 1 3 Notice · · When you change the multiplexer, playback direction, or playback speed during playback, a black screen may be displayed. When you change the multiplexer or the playback-related settings during playback, or when you play back data where recording status was changed due to change of recording operation, a black screen may be displayed or image dropout may occur. This recorder uses the motion picture compression format. Due to this, the recorder may take time to display the playback picture. Tips · · · · After the power is turned on, playback starts from the oldest recorded data.

Otherwise, playback starts from the point where it was stopped last time. When the PAUSE/JUMP TO END button is pressed while the playback is stopped, images around the end of the latest recorded data are played back in the still image playback mode. To resume playback during still image playback, press the PAUSE or PLAY button. When you press the camera number button during still image playback in the single screen mode, the image from the camera corresponding to the button you pressed is displayed. Convenient function Selecting the device or audio to be played back 1 Press the SET UP button on the front panel or left-click the mouse to display <Main menu>.

Change the playback device while playback is stopped. 2 Select "Device selection" to display the <Change audio and play device> screen. 3 Under "Play device selection," select the button of the device you want to play back. (You cannot select devices that are not set.) "HDD (Normal)": Plays back the data in the normal recording area. "HDD (Alarm)": Plays back the data in the alarm recording area. "HDD (Emergency)": Plays back the data in the emergency recording area. "HDD (Preliminary)": Plays back the pre-alarm or pre-emergency recording data. "HDD (Copy)": Plays back the data in the copy device. "HDD (Archive)": Plays back the data in the archive device.

"DVD/CD": Plays back the data on a DVD/CD disc in an external drive. "USB memory": Plays back the data in a USB memory device. When you change the playback device on the <Change audio and play device> screen and then start playback with that screen being displayed, data in the device that was selected before the change are played. Before starting playback, close the screen. 4 Under "Audio channel selection," select whether or not to output the audio. The audio setting made here is reflected to both the live display and playback. "On": Outputs the audio. "Off": No audio is output. Operations 13 ENGLISH Changing the screen mode to display images from cameras You can change the screen mode to display images on the monitor. Displaying images in the single screen mode 1 Press the button of the camera you want to display.

* Camera number buttons 5 to 8 are available only for DX-TL308E. Camera number buttons Displaying images in the split screen mode * The numbers shown in the figures indicate the factory-default camera number display positions. 1 Press the SPLIT button. Each time you press the button, the screen mode changes in the order of 4-split a 4-split b 9-split 4-split a ..

* 4-split b and 9-split screen functions are available only for DX-TL308E. 1 3 4-split a 2 4 4-split b 5 7 6 8 9-split 1 4 7 2 5 8 3 6 SPLIT button 14 Notice · You cannot switch the screen mode while the menu screen is displayed. To switch the screen mode, close the menu screen first and then press the camera number button or a split button. Tips · To set the camera number to be displayed in each screen mode, use <Multiplexer setting> in the <Setup> menu. You can set the camera number to be displayed differently for each of output A and output B. Convenient function Changing the screen mode using the mouse (single screen mode) 1 Right-click the mouse. The mouse operation screen is displayed. 2 Click the single screen button to display the camera number buttons. 3 Click the button of the camera you want to display. <DX-TL308E> 1 <DX-TL304E> 1 Right-click Right-click 3 2 1 5 2 6 3 7 4 8 3 2 1 2 3 4 Changing the screen mode using the mouse (split screen mode) 1 Right-click the mouse. The mouse operation screen is displayed. 2 Click the button of the split screen mode you want to display. <DX-TL308E> 1 <DX-TL304E> 1 Right-click Right-click 2 2 Operations 15 ENGLISH Searching for the desired image You can search for images by specifying the recording date and time. 1 Press the SEARCH button on the front panel to display <Search menu>.

1 2 Click the device name under "Play device" (for example, HDD (Emergency)) until the desired device name appears. You cannot select devices that are not set. ? Play device Search menu 1 12-01-2008 Sat 13:35:17 2 HDD (Emergency) Start : 01-01-2008 09:24:31 Execute search End : 11-11-2008 02:50:08 Execute search 3 4 5 Click the camera number under "Camera filter" until the desired number appears. Click on each of date, month, year, hour, minute, and second until the desired value appears. Click "Search." The image recorded on the specified date and time is displayed on the quarter screen. (Playback pause) 3 4 Camera filter 1 6 01 12 - 20 08 00 : 00 : 00 Search Search Time and date 5 Alarm list search Search MD search E:Exit 6 Press the button to start playback. In addition to the time and date search, you can search for images using the following methods. For the detailed operating procedures, see the Installation Manual. For searching data in the HDD (Preliminary), you can use time date search only.

? Play device HDD (Emergency) Start : 01-01-2008 09:24:31 Execute search End : 11-11-2008 02:50:08 Execute search Camera filter Search menu 1 12-01-2008 Sat 13:35:17 Start point search This function searches for the oldest recorded data. End point search This function searches for the latest recording data. 1 Time and date 01 - 12 - 20 08 00 : 00 : 00 Search Search Alarm list search Search MD search E:Exit Alarm list search This function searches for images using the list of times and dates when alarm recording and emergency recording started.



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@@@ Dates having recording data are displayed in gray and dates without recording data are displayed in black. 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Minute 00 05 10 15 20 25 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 4 Check data Search start time E:Quit 01-01-2008 30 35 40 45 50 55 10 : 30 : 00 D:Execute 3 Click the date to be searched.

4 Click the hour and minute to be searched. 5 Click "Execute." 5 The date and time specified in steps 2 to 4 are set as the search start time and then <Search menu> reappears. Playing back the retrieved image using the buttons on the front panel Playback starts when the PLAY or PAUSE button is pressed. Playback stops when the STOP button is pressed.

Changing the playback speed or display size of the retrieved image using the mouse You can change the playback speed or display size using the buttons on the search result screen. <Search menu> ? Play device HDD (Emergency) Start : 01-01-2008 09:24:31 Execute search End : 11-11-2008 02:50:08 Execute search Camera filter 1 Search menu 1 01-01-2008 Sat 13:35:17 1 Each time you click this button, the display size of the search result screen changes. Images recorded in the quarter picture size cannot be displayed on the full screen. 2 Each time you click this button, the reverse playback speed changes in the order of Time and date 01 - 12 - 20 08 00 : 00 : 00 Search Search Alarm list search Search approx. X2 approx. X4 approx. X8 approx. X16 Fast playback approx. X2. MD search E:Exit 3 Reverse frame-by-frame playback starts.

4 Reverse playback starts. 5 Playback/reverse playback stops. 6 Playback/reverse playback pauses. 7 Playback starts. 8 Frame-by-frame playback starts. 1 2 3 4 5 6 7 8 9 9 Each time you click this button, the playback speed changes in the order of approx. X2 approx. X4 approx. X8 approx. X16 Fast playback approx.

X2. Operations 17 ENGLISH Copying recorded images You can copy the still image being displayed to a USB memory device or DVD/CD disc as a still or moving image (one-touch copy). This function is convenient to copy recording data for a short period of time. 1 Set a USB memory in the recorder or set a DVD/ CD disc in the DVD/CD drive connected to the recorder. The recorder automatically detects the copy destination device.

When both a USB memory device and DVD/CD disc are detected, the DVD/CD disc is used as the copy destination device. 2 Display the image you want to copy in the still image playback mode and the single screen mode. See See page 14 for the single screen mode. page 13 for the still image playback mode. 2 3 Press the COPY button on the front panel to display <Copy menu>.

3 4 Select the image to be copied from "Moving image" or "Still image." "Moving image": Copies data for the specified recording duration starting from the image being displayed. "Still image": Copies 1 GOP including the still image being displayed. ? One touch copy Copy menu Camera Copied data Start : 1ch Moving image Still image 4 5 6 : 07-07-2008 13:25:08 5 Min Execute copy Duration 5 Copy starts also by pressing [COPY]. Other copy Archive E:Exit Setting Setting When "Moving image" is selected in step 4, click the time next to "Duration" until the desired copy duration appears. 6 Click "Execute copy." You can start copying also by pressing the COPY button on the front panel. After the completion of copying, check that the COPY button goes out before you remove the DVD/CD or USB memory. Notice · You cannot perform one-touch copy during copying. Tips · When the copy destination DVD/CD disc or USB memory device becomes full during copying, the copying is stopped.

18 Convenient function Displaying <Copy menu> using the mouse 1 Right-click the mouse. The mouse operation screen is displayed. 2 Click the button to expand the menu.). 3 Click the Copy button (<Copy menu> is displayed. In addition to one-touch copy, you can copy images using the following methods.

For the detailed operating procedures, see the Installation Manual. Copying data by specifying the copy range This function copies data based on the specified start and end times and data size. There are 3 methods for specifying the copy conditions as follows: · Specifying the start time and data size · Specifying the end time and data size · Specifying the start and end times Backup This function makes backup of data. Copying images registered in the alarm list This function copies images registered in the alarm list.

Operations 19 ENGLISH .



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