


ORDER NO.DSD0705007CE

Service Manual

DVD Recorder



Model No: **DMR-EX77EG**
DMR-EX77EC
DMR-EX77EC1
DMR-EX77EB
DMR-EX87EG
DMR-EX87EC
DMR-EX87EC1
DMR-EX87EB

Notes: This model's RAM/Digital P.C.B. Module are - RFXNEX77EG(E/G)
- RFXNEX77EG(E/C1)
- RFXNEX77EB(E/B)
- RFXNEX87EG(E/G)
- RFXNEX87EG(E/C1)
- RFXNEX87EB(E/B).

When replacing Main P.C.B. or EEPROM "UNFORMAT" indication is displayed and HDD must be formatted.

When replacing HDD, it is necessary to update the firmware.
(Please prepare the update disc.
(After that, FORMAT is necessary)

After that, programme in the HDD will be lost.
In detail, please refer to each content in this service manual.

Caution:
Pairing of RAM Drive and Digital P.C.B. as "RAM/Digital P.C.B. Module" have to be replaced together.
If the either RAM drive or Digital P.C.B. are changed, RAM Drive unit has to be re-aligned. Because the alignment data for RAM Drive Unit is stored in Digital P.C.B.

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File Name: Dmr-Ex77 Service Manual.pdf

Size: 3266 KB

Type: PDF, ePub, eBook

Category: Book

Uploaded: 7 May 2019, 20:52 PM

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outlet. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer. Such components commonly are called Electrostatic Sensitive ES Devices. <http://nedirajtebosnu.net/userfiles/canon-powershot-g10-manual-pdf.xml>

The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge ESD. 1. Immediately before handling any semiconductor component or semiconductor equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test. 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly. 3. Use only a grounded tip soldering iron to solder or unsolder ES devices. 4. Use only an antistatic solder removal device. These can generate electrical charges sufficient to damage ES devices. 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material. 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed. The normal solder is the alloy of tin Sn and lead Pb. On the other hand, the lead free solder is the alloy mainly consists of tin Sn, silver Ag and Copper Cu, and the melting point of the lead free solder is higher approx. 30 degrees C 86F more than that of the normal solder. Definition of PCB Lead Free Solder being used The letter of PbF is printed either foil side or components side on the PCB using the lead free solder. See right figure Service caution for repair work using Lead Free Solder PbF The lead free solder has to be used when repairing the equipment for which the lead free solder is used.

Definition The letter of PbF is printed on the PCB using the lead free solder. To put lead free solder, it should be well molten and mixed with the original lead free solder. Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC. Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder. Use the soldering iron more than 70W equipped with the temperature control after setting the temperature at 350-380 degrees C 662-86F. Recommended Lead Free Solder Service Parts Route. The following 3 types of lead free solder are available through the service parts route. Search results for found ask for a document File Date Descr Size Popular Mfg Model Found in chassis2model Found in repair tips. Most changes are minor corrections and do not affect operating procedures. Acrobat Reader is available free from the Adobe website whose link is on the left. Not sure if it'll work with yours but it's worth a go. Let me know what happens, good luck and have a good day Please let me know if you have any problems It has one actually marked DVR, but any one would do. Login to post How can i make it so You will need both files, as the ISO image file has been split across two compressed files. 2 Using WinRAR or WinZip unpack the ISO image file to a folder on your hard disk the desktop is a good place, so you can easily find it later. To successfully unpack the ISO image file, both of Chachis RAR files must reside in the same folder. As you extract the ISO file from the first archive, WinRAR or WinZip will automatically move to the second file and continue the unpacking process. I used Nero to achieve this, but most CD burning software can do the same. 4 On the laptop, ensure that the IR port is set to COM2 in the BIOS note the original settings, so you can put them back after you have reprogrammed DMREX77. Try to select an older IR mode if available.

<https://skazkina.com/ru/boss-pedal-service-manuals>

My old Toshiba Satellite 4030CDT only supported FAST IR modes and wouldn't work. These are the emulated buttons you will need to press in order to unlock your unit. You must ensure the disk tray is

empty during this process. I had my disk tray empty and ejected sticking out during the process just as a precaution. 13 Point the IR port on your laptop at the IR receiver on your DMREX77. Keep repeating this procedure until you have entered all buttons highlighted in pink from 1 to 10 in order. If your DMREX77 reacts as mine did during the process you may see the display on the DMREX77 change and also experience the TV channel changing. The DMREX77 has now reset itself and has successfully been reprogrammed. If you left the tray poking out during the reprogramming process as I did, just wait a few seconds and it will close automatically, you can then switch off the DMREX77 using the remote. There is no need to disconnect the DMREX77 from the mains supply. 17 Switch the unit back on, pop in any region DVD you like, sit back and enjoy. If this procedure fails or you make a mistake don't panic. Switch off your DMREX77 using the power button and leave it off for a few seconds. Switch back on your DMREX77 and when it's ready try the procedure again. I failed several times initially, but it didn't seem to do any harm and everything is fine. You may also find that changing the IR mode setting in your laptop's BIOS may help. I had to try a few different modes until I found one that worked. If you can't find the files you need, or require the procedure for using another type of device to region free your DMREX77, then visit [Is there any chance we can retrieve it](#). Please let me know if you have any problems. Is this a unit failure or just a temporary problem with the. Answer questions, earn points and help others. For full access to the page content, please disable your advertising on our site. PANASONIC DMPBDTxx Service Manual Bluray Disc Player Panasonic DMPBDTxx Model No.

Reload to refresh your session. Reload to refresh your session. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit. 2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed. 3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards. 1.1.1. Leakage current cold check 1. Unplug the AC cord and connect a jumper between the two prongs on the plug. 2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MW and 5.2MW. When the exposed metal does not have a return path to the chassis, the reading must be. 1.1.2. Leakage current hot check See Figure 1. 1. Plug the AC cord directly into the AC outlet. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer. Such components commonly are called Electrostatic Sensitive ES Devices. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge ESD. 1. Immediately before handling any semiconductor component or semiconductor equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test. 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly. 3.

Use only a grounded tip soldering iron to solder or unsolder ES devices. 4. Use only an antistatic solder removal device. These can generate electrical charges sufficient to damage ES devices. 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material. 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed. The normal solder is the alloy of tin Sn and lead Pb. The amount of time and speed may vary depending

on the conditions such as the area on where information is written or unique feature on the disc. DVDDivXExcept EB, CDDivXExcept EB, Plays all versions of DivX video including DivX 6 with standard playback of DivX media files. Certified to the DivX Home Theater Profile. GMC Global Motion Completion is not supported. After Video Recording conversion and transfer to HDD or DVDRAM disc, the playback is possible. For other model, refer to each Operation Instructions. Do not turn off the unit or remove the card. Such action may result in malfunction or loss of the card's contents. Inserting foreign objects can cause a malfunction. You can use SD Cards with capacities from 8 MB to 4 GB. Inserting the card Removing the card Press on the centre of the card until it clicks into place. If you are using a miniSD card, insert it into the miniSD card adaptor that comes with the card. Insert and remove this adaptor from the unit. 1 Press on the centre of the card. 2 Pull it straight out. ADAPTER Insert the card label up with the cutoff corner on the right. Automatic drive select function If you insert an SD Card while the unit is stopped, the "SD Card" screen is displayed.

Automatic Display on FL will be cancelled when the power is turned off or AC input is turned off during selfdiagnosis display is ON. Error Code Diagnosis contents U30 Remote control code error Description Monitor Display Display appears when main unit and remote No display controller codes are not matched. Display for 5 seconds. Abnormal inner temperature Display appears when internal temperature of detected deck reaches limit temperature. The power is turned off forcibly. For 30 minutes after this, all key entries are disabled. Fan motor operates at the highest speed for the first 5 minutes. For the remaining 25 minutes, fan motor is also stopped. The event is saved in memory as well. The unit is carrying out its recovery process. U71 HDMI incompatible error HDCP incompatible U72 HDMI connection error communication error U73 U80 HDMI connection error authentication error "A short circuit was detected at the antenna input. Please check your antenna." No display "U59 is displayed for 30 minutes. ST Microprocessor Display appears when ST Microprocessor No display Communication Error on Timer Communication Error on Timer Bus occurs. U99 H19 F00 F58 F34 F74 Hangup Description Monitor Display No display Automatic FL display Displayed when communication error has No display occurred between Main microprocessor and Timer microprocessor. Inoperative fan motor When inoperative fan motor is detected after powered on, the power is turned off automatically. The event is saved in memory. No error information Initial setting for error code in memory Error code Initialization is possible with error code initialization and main unit initialization. Drive hardware error When drive unit error is detected, the event is saved in memory. Initialization error when main When initialization error is detected after microprocessor is started up starting up main microprocessor for program for program recording recording, the power is turned off automatically. The event is saved in memory.

HDIM Device Key HDMI connection could not be authenticated Communication error.HDIM Device Key Information HDMI connection could not be authenticated No display error due to an internal data malfunction.No display "BYE" is displayed and power will be turned off. In case "Quick Start" of setup menu is ON, it is displayed in restoration operation for AC off. 16 Display for 5 seconds. No display b When start up at HDD boot was failed.Please try to replace HDD with junine HDD as service parts. Rating password The audiovisual level setting password is initialized to "Level 8". Forced disc eject Removing a disc that cannot be ejected. While Demonstration Lock is being set, this Forced disc eject function is not accepted. The display leaves. before When the power button is not effective while Display in Poff mode. Display following the then mode. The lock setting is effective until unlocking the tray and not released by "Main unit initialization" of service mode.Display "LOCK" for 3 seconds. Item FL display Mode name Release Items Description Item of Service Mode executing is cancelled. Audio Mute XTMUTE Check whether mute is applied normally by the timer microprocessor. Two digits on the right side are the progress level of the inspection The unit is %.Two digits on the right side are the progress level of the inspection The unit is %.When the number is less than 5, we judge it normal. HDD Spinup time The accumulation value of the Spinup time of HDD is displayed. Two digits on the right side are the progress level of the inspection The

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