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The DMS2 software supplied is intended for a multi-message system such as the DMS2, SB or U – Turn.

1. The Message Assembler Programme.

1.1 Introduction

The main purpose of this programme is to create an INDEX file for the SB. The INDEX file allocates audio files to the 15 message on the SB

The programme also allows simple access to the source audio files and displays the selected audio files in the message number position they will have when played on the SB.

It is a requirement of the SB firmware that no other files are present on the SD card and so the ASSEMBLER programme assists in ensuring that all other files are removed before copying the audio files. Also all audio files are renamed on the SD card to a format that is compatible with the SB firmware.

The main screen of the programme consists of 6 areas.

Firstly, an area for selecting the source audio files (drive, folder and file select boxes). You navigate to a source MP3 file and 'double-click' the filename to add it to the message track list.

Next is an area for selecting the drive letter of the destination drive (SD card). Next is the message track list area showing which messages have been selected to download and which message number and operating mode they have been allocated.

There is an area for assigning an operating mode to a message (see Message Modes below). An Edit List section contains buttons for removing files from the message list.

The main PROGRAMME command button and other status messages and help prompts are available outside the above areas. A yellow 'Guidance Box' at the bottom of the screen helps to prompt you to the next step in the process.

1.2 Selecting the Destination Drive.

The programme needs to know which of the drives on your computer system is the SD Flash card to be programmed. This is known as the 'Destination Drive'.

Black Box AV recommends the 'SanDisk SecureMate' drive for programming the SD cards. You should ensure that this or a similar card programmer is correctly installed on your PC before attempting to use this software.

It is very important that new cards are correctly formatted before use. Use the FORMAT option from 'MY COMPUTER' and you should ensure that the file system is FAT16. If you attempt to copy files to an unformatted MultiMedia card you may find the computer will 'lock-up' and will have to be reset.

At the bottom of the main 'ASSEMBLER' screen the yellow 'Guidance Box' prompts you to the next stage of the process. When the programme is started you are prompted to select the drive letter for the destination drive.

A 'Destination Drive' select box is provided on the main 'ASSEMBLER' screen. You should use this to select the drive letter for the SD card to programme. An information box is displayed just below this drive selector.

Since one step in the process of assembling the audio files on the SD card involves erasing all files in the root directory of the destination drive, the destination information box will display red if the programme 'thinks' the selected destination is not an SD card and you will not be able to proceed until a suitable destination drive is selected.

If the selected destination is a removable drive with capacity < 512MBytes then the programme will assume that it is a valid SD card and will allow you to continue.

1.3 Selecting the Source Files.

First ensure you have selected a suitable destination drive and the SD card is inserted. You should also ensure that the SD card does not contain any sub-folders above the 'root' folder.

Use the source file selector (drive, folder and filename boxes) to select the source MP3 files. The filename box will only display files having the '.MP3' extension so you should ensure that all your message files have this extension.

It is recommended (but not essential) that you create a folder containing all the audio files you intend to use on a SB. This will help you organise your work and simplify the rebuilding of a system should it be necessary.

Audio files are assigned to the track list by 'Double-Clicking' the selected filename. The filename is then entered into the next available space in the track list with the default operating mode 0 (see message modes below).

You should ensure that you select the files in the order that you want them on the SB i.e track 1 corresponds to button 1.

The track list will display the filename only, however the programme will remember the complete path length for each message.

1.4 The Message Tracks List.

This list displays the audio files, and their operating modes, selected for messages 1-15 of the SB.

The 'Track' column indicates the track number, the 'Mode' column has the operating mode for this message (Not applicable to SB).

Files can be removed from the list by using the 'Edit List' buttons below.

As files are added or removed, a bar-display indicates the total message size as a percentage of the SD card capacity.

1.5 The Message Operating Modes.

These do not apply to the SB

1.6 Editing the Tracks List.

Audio files can be removed from the Tracks List either individually or totally.

To remove all files, i.e. begin a new track list, click the 'New' button. This will clear the track list and reset all parameters.

To remove individual files, click the 'Delete' button, button highlights in white, and then click on the filename in the Track List to delete. The audio file is removed from the list and all subsequent files move up 1 position. To remove other files you must click the 'Delete' button again to select the DELETE operation.

1.7 Programming the SD Flash Card.

As mentioned previously, the card must be completely blank before copying can begin. You should have ensured that there are no 'sub-folders' existing on the card, if there are any, then run 'Windows Explorer' to delete them.

When the Track List is complete for the SB you are programming, then you can click the 'Programme SD Card' to create the INDEX and copy the files to the SD card.

You are warned that any files in the 'Root' folder will be erased from the card and a list of any existing files is displayed. Press 'CANCEL' at this point if you do not want the files erased, otherwise press 'O.K.'

After clicking 'O.K.' any existing files in the 'Root' folder are erased and the copying begins.

Audio files are copied but renamed so that the SB firmware can access them through the SD card directory. The files are renamed as 'M00000XX.MP3' where 'XX' is the message number on the SB.

The progress bar indicates how much of the operation is complete. Depending on the total message size, the copy operation could take several minutes.

You are informed when the copying is completed and then prompted to remove the SD card.

1.8 Installing the Assembler Software

Prior to installing this programme, the SanDisk USB software (or software supplied with your SD card drive) must be installed.

The DMS2 Assembler programme comes on 1 CDROM. Insert the Install Disc into your CDROM drive. From Windows, click START, then RUN. At the prompt, type "E:\setup" then ENTER (where E: is the drive letter for your CDROM drive). This will start the installation process.

Simply follow the on-screen instructions to complete the installation. The process should take only a few minutes. If your computer indicates that some of the files being copied are older than your existing files, then you should keep your existing files as prompted by the computer.

Important

Audio files for the SB must be encoded as 64kbps, Mono MP3's