DENON
DENON ELECTRONICS
a d i v i s i o n   o f   D E N O N   C O R P O R A T I O N   (U S A)

DN-991RM SUPLEMENTAL INSTRUCTION SHEET

GEN-4827

1. Visual E.O.M. (New Feature)

Purpose :

   V.E.O.M. visibly warns the user when then current track (or disc) being played will be finishing. The unit displays (flashes) a "text" message in the fluorescent display area when the E.O.M. countdown time is reached.

   One example of the V.E.O.M. Text information would be last few words of a song, providing a *visual* track end message warning cue in addition to the standard E.O.M. warning and audible end preview provided with End Monitor. A second example would be to enter in the disc number and track number of the next cut to be cued on another CD or MD player.

Operation:

   (1) Instructions For How "V.E.O.M. Texts" Are Input

      V.E.O.M. Texts are input in the track name area. When inputting an V.E.O.M. Text, it must be enclosed by square brackets "[ ]" so the system can distinguish it from the regular track name. A maximum of 12 characters is permitted.

Ex 1. "Let It Be - Speaking words of wisdom [let it be..]"
        (Track Name)   (E.O.M. Text)

      During E.O.M., the words "let it be.." will automatically be flashed on the display.

Ex 2. " Let It Be   [Last 10 Sec!]
        (Track Name)   (E.O.M. Text)

      During E.O.M., the words "Last 10 Sec!" will automatically be flashed on the display.

（2） Display Method and V.E.O.M. Display During Playback

      (a) During standby status, while the unit is ready for playback, the display may be in any of the three display modes. (ie: Track Name including V.E.O.M. Text, Disc Name or Date)

<div align="center">

(Ex 2. " Let It Be" (stays lit)
(Track Name)

</div>

      (b) After the start of playback and until the E.O.M. set time, the selected normal display (ie: Track Name including V.E.O.M. Text, Disc Name or Date) is shown as usual.

<div align="center">

(Ex 2. " Let It Be" (stays lit)
(Track Name)

</div>

      (c) When the set E.O.M. time is reached, the "V.E.O.M. Text" will *flash*.

<div align="center">

(Ex 2. "Last 10 Sec!" flashes)
(E.O.M. Text)

</div>

      (d) When the current track is finished, the V.E.O.M. Text will automatically disappear and display normal information for the next cued track (ie: Track Name including V.E.O.M. Text, Disc Name or Date) as previously selected.

Notes :

- In Continuous Playback mode, only the V.E.O.M. Text of the final track will be displayed. This occurs when the final track is being played back and the E.O.M. time has been reached.

- Normal track names are displayed and flash at the time of E.O.M. if V.E.O.M. Text is not included in the track name information.

- If no track information has been entered, "No Name" is displayed and flashes at the time of E.O.M.

- The small "EOM" indicator (right-bottom of the fluorescent display) and [PLAY/PAUSE] button will flash for all E.O.M. indications.

2. Airlock (New Feature)

Purpose:

The system can now lock out the operation of the [REC] and [MODE] buttons in order to avoid accidental operation of the Record/Standby and Edit Mode features so that this equipment can emulate a "Playback Only" deck for ON-AIR use . (Substitute and replacement for the DN-981F playback only deck). When this feature is enabled, even a disc that is not write protected can not be altered. The display will show "Rec/Edit INH" as a warning. This mode can be selected in Preset Mode (Preset item number 38).

Operation :

While In Preset Mode

- Turn the Rotary Select Knob so the display shows preset item number 38.

- Select - ENA (display will show "Rec/Edit **ENA**") to enable the record and edit functions by pressing the Rotary Select Knob.

- Select - INH (display will show "Rec/Edit **INH**") to lock out or inhibit the record and edit functions by pressing the Rotary Select Knob.

(Default = ENA)

Notes :

- To enter Preset Mode, press and hold the [MODE] button then press the [STDBY/CUE] button. The display will show "Preset Mode".

- To exit Preset Mode, press the Mode button when finished.

- Preset mode can be activated even when the Airlock mode is enabled.

3. 5-Minute Skip Search Function (New Feature)

Purpose:

   This feature allows for a fast way to search through long tracks. An example would be to search to the 30 minute point of a 60 minute track (such as a long recording that is brought into the production room for editing). The unit will perform skip-search in increments of 5 minutes.

Operation:

   Push and hold either the [>>] FFWD or [<<] REW search button until the unit reaches its fastest search speed. Then each time the Rotary Select Knob is pressed, the sound skips or jumps 5 minutes in the direction chosen. After the 5 minute skip feature has been completed, the unit returns to normal manual search mode automatically.

   If the rest of the current track is shorter than 5 minutes, the unit skips to the beginning of the next track. If the rest of the disc length is less than 5 minutes, the unit stays at the end of the final track.

Notes:

- The 5 minute skip search feature can only be executed when the unit reaches its maximum search speed of 32x. By pressing and holding the [<<] or [>>] search button for 2.4 seconds or more, the unit will then attain the maximum search speed of 32x.

- This feature is not available from the P/C Keyboard as there is no Rotary Select Knob on the keyboard.

4. Increased Title Scroll Speed (Upgraded Feature)

<u>Purpose</u>:

    For faster scrolling or recognition of Track Names or Disc Names. Currently, standard factory firmware sets the character scroll rate by moving characters across the display every 0.2 seconds when you press the [DISP] button for 0.5 seconds.

<u>Improvement</u>:

    This firmware will move characters across the display at the new rate of one every 0.1 seconds. The Florescent display has a 12 character maximum. If the number of characters in the disc or track name is more than 12 characters, this new firmware scrolls text at two times the speed of the standard factory supplied firmware.

5. Long Name Text (New Feature)

<u>Purpose</u>:

Currently, the only way to display long text (13 characters or more) is to press the [DISP] button for 0.5 seconds twice (or three times if Date is enabled), to make the complete disc or track text scroll or re-scroll.

To allow for faster recall of all characters recorded to a track or disc name, two new ways of displaying names have been created. One is called Long Name Line and the other is Long Name Scroll. This function is selectable within the Preset menu and is located at preset number 39.

Long Name Line enables the user to switch the display to show the first 12 characters, then the 13th ~ 24th characters, then the 25th ~ 36th and so on and leave the same display format type (ie: Disc or Track Name) set on the display without rotating through the other two display formats first.

The Long Name Scroll enables the user to scroll or re-scroll the entire display contents and leave the same display format type (ie: Disc or Track Name) set on the display without rotating through the other two display formats first.

An example of two similar long name track titles are listed below:

"`Sound_Effect_TRACK_#1`" for track # 1
```
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21
```

"`Sound_Effect_TRACK_#2`" for track # 2
```
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21
```

For the operator, the most important information needed in these two examples would be the 2nd portion of the name since the first portion is the same.

"_TRACK_#1" for track # 1

and

"_TRACK_#2" for track # 1

Therefore, in these two cases, the 13th character and beyond are the most important.

Operation :

In Preset mode, select preset number 39 and chose one of the following two options:

(a) To be able to switch between the first 12 characters and groups of 12 characters thereafter (ie: 13 ~ 24th, 25th ~ 36th, etc.), set the preset to show LongName**Line**.

To switch cyclically from the first 12 characters to the 13 ~ 24th, etc. press and hold the [ROTARY SELECT KNOB] then the [DISP] button as many times as necessary to get to the desired portion of the title.

(b) To scroll or rescroll disc and track information, set the preset to show LongName**SCRL**.

To scroll the long name titles, press and hold the [ROTARY SELECT KNOB] then press the [DISP] button.

(Default = SCROLL)

Notes :

- When in LongNameLINE mode, pressing and holding the [ROTARY SELECT KNOB] then the [DISP] button to obtain text information before EOM time is attained will allow for 12 characters of text information to be cyclically displayed each time the combination of buttons is used. This function is locked out during E.O.M. countdown.

- The LongNameLINE display can be operated from the P/C Keyboard by using the < [SHIFT] + [F8] > keys.

- When in LongNameSCRL mode, pressing and holding the [ROTARY SELECT KNOB] then the [DISP] button to obtain text information, either before or when E.O.M. time is attained, will always scroll the entire name including any V.E.O.M. text. If the operation is performed during the E.O.M. count down, and if E.O.M. time remains after the scrolling of all text is complete, the display will revert to the V.E.O.M. Text for the remainder of the E.O.M. time.