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# D-10

## DIGITAL MASTER RECORDER Owner's Manual Supplement for Software Version 1.21

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1st Edition JUN. 1993 8288 318 000

2nd Edition JULY 1993 8288 318 100

3rd Edition FEB. 1994 - -

8288 614 000 (Supplement for Version 1.21)

# 1. Modifications resulting from version-up of Model D-10

The following items have been improved, functions modified or new ones added resulting from version-up (V1.12 -> V1.21) of the Model D-10 software.

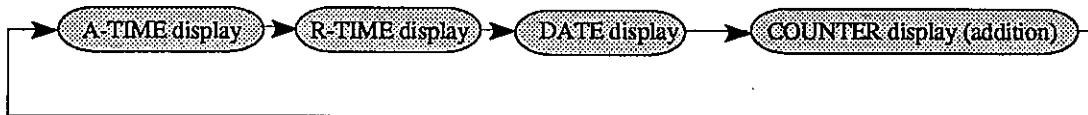
1. Additional functions to the DISP TIME (time display) selecting key.
2. Change in command input to the GPI IN connector.
3. Change in output pulse width at the GPI OUT connector.
4. Addition of "SKIP-STOP/PLAY mode selection" to the SETUP mode.
5. Partial change of the menu display in the SETUP mode.

## 1-1. Additional functions to the DISP TIME (time display) selecting key

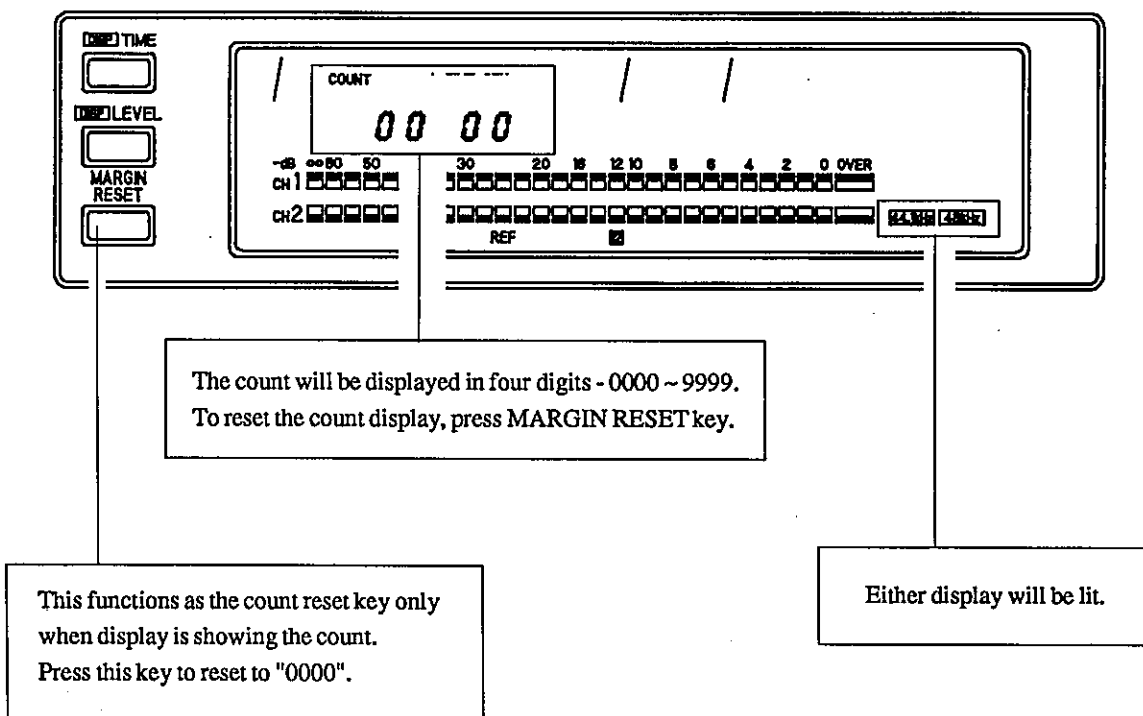
A "Counter function" has been added to the front panel DISP TIME key and its function and display are as follows:

### ① DISP TIME (time display) selecting key

The normal display mode is selected as follows with each press of this key.



### COUNT display (additional function)




## 1-2. Change in command input at the GPI IN connector

Command inputs to the rear panel GPI IN connector pins #4 and #5 have been changed as follows:


### ① GPI IN connector

Before change		After change	
GPI IN		GPI IN	
1	GND	1	GND
2	STOP	2	STOP
3	PLAY	3	PLAY
4	FFWD	4	S-ID SEARCH >>
5	REWIND	5	S-ID SERACH <<

#### Input of S-ID SEARCH >> command (pin #4)

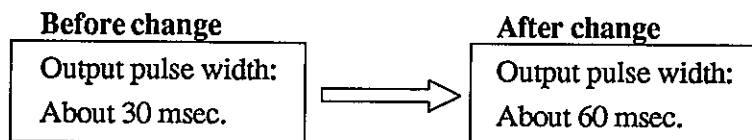
Input of  achieves the same function as the S-ID SEARCH >> key.

#### Input of S-ID SEARCH << command (pin #5)

Input of  achieves the same function as the S-ID SEARCH << key.

## 1-3. Change in output pulse width at the GPI OUT connector

As a result of software the version-up, the output pulse width of GPI OUT is changed as follows:



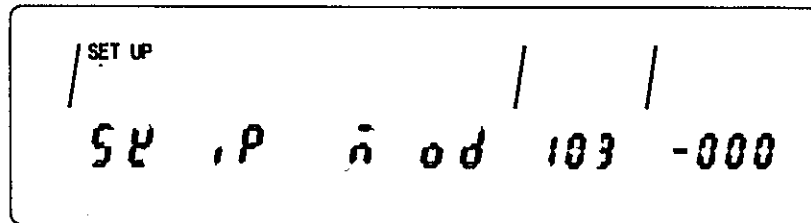
## 1-4. Addition of "SKIP-STOP/PLAY mode selection" to the SETUP mode

SKIP mode is selected by specifying the setup number as listed below and SKIP operation (SKIP-STOP, SKIP-PLAY) is to be executed at the moment SKIP-ID is detected during tape playback.

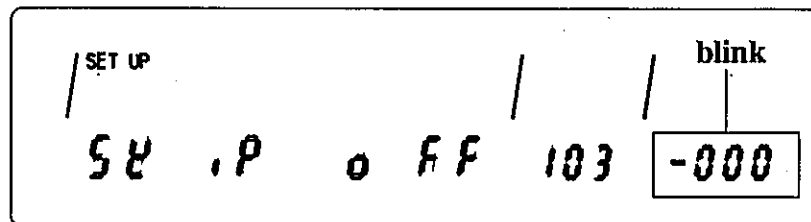
- 000 : SKIP-ID is neglected and playback continued.
- 001 : FWD direction S-ID search is conducted upon detecting SKIP-ID and stopped at head of this S-ID.
- 002 : FWD direction S-ID search is conducted upon detecting SKIP-ID and automatically entered in playback from this S-ID.

### Operating Procedures

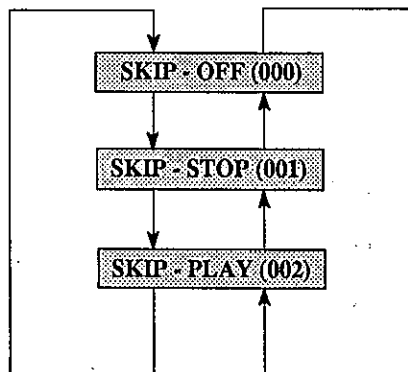
1. Using the JOG dial, display the SKIP-STOP/PLAY mode select menu.  
At this point, the presently set number is shown.



2. Next, when the EXECUTE key is pressed, the setup number section will blink.



3. While the number is blinking, select the desired number with the JOG dial.  
The select display can be changed as follows by rotating the JOG dial CW or CCW.



4. After a number is selected, press the EXECUTE key again.  
This completes selection and the newly set menu is shown.

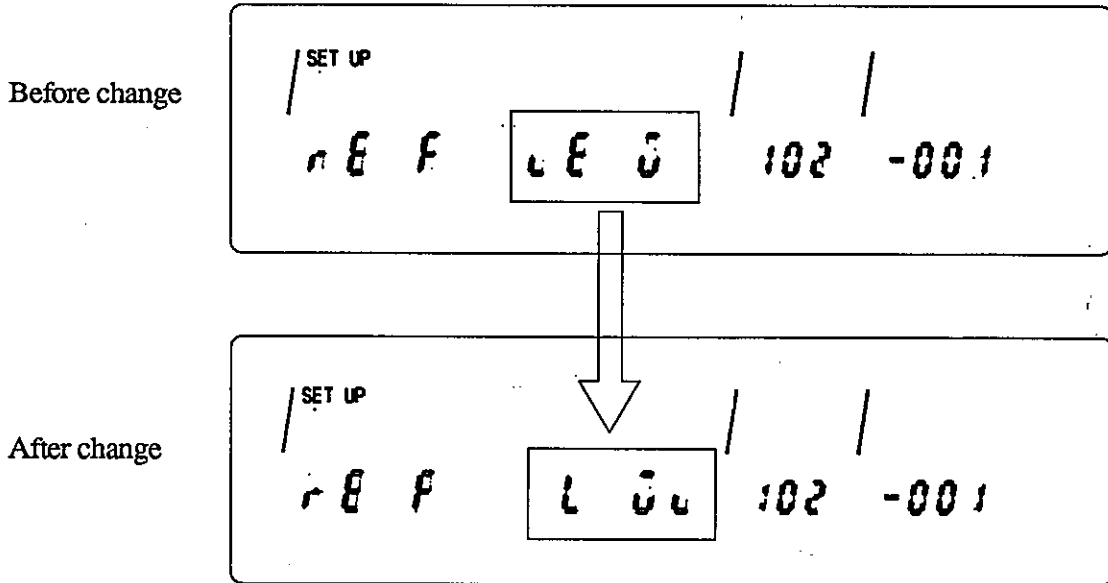
**<CAUTION>**

During playback in the INSTANT START mode, the actual tape position will be several seconds ahead of the sound played back from the RAM. Therefore, if SKIP operation is executed in the INSTANT START mode, SKIP-ID is shown in the display, then SKIP executed will be delayed by the RAM.

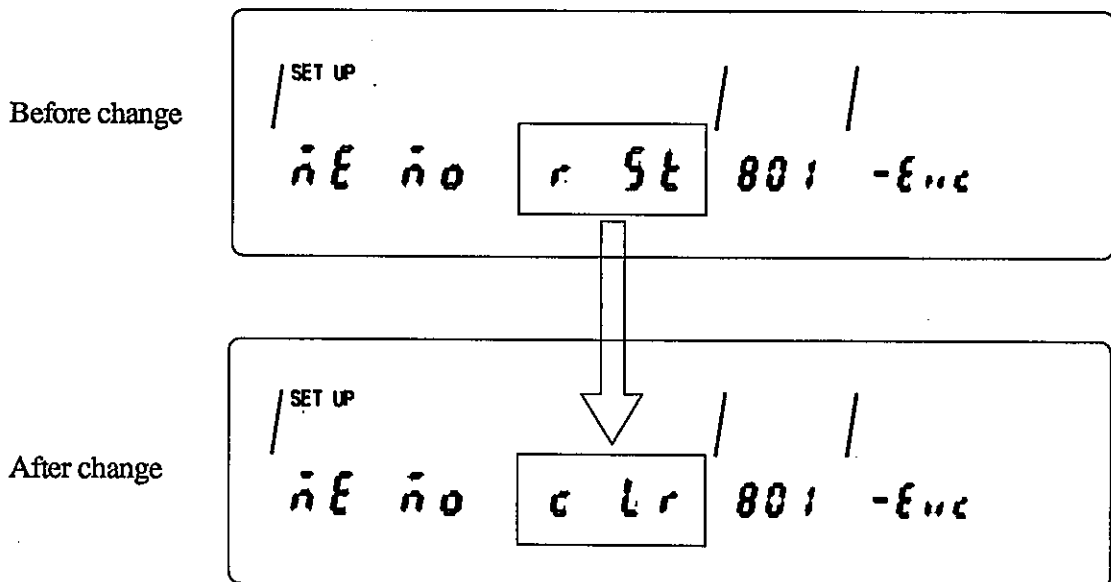
### 1-5. Partial changes in the SETUP mode menu display (function is not changed)

Each SETUP menu display for the SETUP mode will be changed. There are changes in the display only and no functions will be changed.

#### 1. Select menu for reference level



#### 2. All reset menu for user memory



## ***2. Notes in Model D-10 operation (supplement)***

### **2-1. Notes in handling the Digital In clock deviation of Model D-10**

There is no Vari Pitch function in the D-10.

Therefore, if several seconds of digital in containing Vari Pitch is applied to the D-10, "Error Code 16" is generated and all operations denied until power to the D-10 is switched off.

Although this manual explains that the D-10 can comply to 44.056kHz Digital In but this is possible since its clock deviation is -0.1% and thus satisfies the clock deviation tolerance figure (within +/-1%).

For these above reasons, be extremely careful in handling the Digital In clock deviation, as the following conditions must be satisfied.

- ① FS information must be correctly set in the Channel Status Bit at input of the AES/EBU or Consumer Digital In.

#### **<NOTE>**

This cannot be connected since Channel Status of the D-20 and D-20B Consumer Modes are always set to 44.1kHz. Therefore, the D-20 and D-20B Digital Out must be set to the AES/EBU mode before operating.

- ② Clock deviation against the Channel Status FS information that is set must be within +/-1%.

### **2-2. Notes at S-ID recording by the AUTO-ID function**

#### **<NOTES>**

\* If a no sound condition continues for more than one second within 9 seconds after recording the S-ID, then even though there is sound, no S-ID will be recorded at that point.

In DAT, the S-ID recording length is 9 seconds. The following 9 seconds are defined as the time for search operation. Therefore, after recording an S-ID, another S-ID cannot be recorded within 9 seconds of the previous S-ID.

\* If the music score contains a low level section such as in classical music, an unnecessary S-ID could be recorded.

In such a case, change the AUTO-ID detecting level in the SETUP mode prior to making the recording.

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