Data Modification for NOTE OFF message

All preset memory information in this book assumes that the DX7 is connected.

Care should be taken when specifying the NOTE OFF message on the MEP4, as MIDI specifications allow two NOTE OFF transmissions. The DX7 transmits "9n, xx, 00" for the NOTE OFF message, but some instruments transmit "8n, xx, yy". (Please check, if your instrument differs from the DX7).
For example, in Memory Number 1, the data modifier is set to transpose the notes by applying an offset value to the note numbers which have NOTE ON message (9nH), the NOTE OFF function is therefore effective for the DX7, as the modifier transposes at the event of NOTE OFF. For instruments transmitting "8nH", however, the data modifier doesn't transpose at the event of NOTE OFF, and sound will not stop.

For memory numbers 3 and 4, there are vacant processors that can be set to apply the required offset value for instruments using "8nH". For Memory numbers 1 and 2, however, all processors are set for "9nH", to use an instrument that transmits "8nH" NOTE OFF in Memory numbers 1 and 2, two of the four processors must be set to "8nH". This will reduce the number of delays available from 4, to 2.

It is advantageous to use an "8nH" NOTE OFF when a note velocity change is effected by specifying a velocity value in each processor, using the LIMIT command of data modifier. For the DX7 a NOTE OFF will not be transmitted, (i.e. no sound arrest), unless a velocity value of "00" is included.

For MEP4's with production numbers greater than **"3841"**, the following funcitons have been provided to allow for the use of any keyboard type.

1. Turning power on while depressing the ▷ key will instruct the message filter to set all NOTE OFF messages to **"9n, xx, 00"**.

2. Turning power on while depressing the ◁ key will instruct the message filter to set all NOTE OFF messages to **"8n, xx, 40"**.

   * Merely turning power on without depressing the ◁ key or ▷ key will set the MEP4 functions as outlined previously, i.e. no conversion of NOTE OFF messages.
   * Once power is turned on you cannot change the setting. Take care to note which setting is made when turning the power on.
   * This setting can be performed only when turning power on.

Any MEP4 users having models with production numbers less than **"3840"** and wanting this additional function, should consult their nearest Yamaha dealer or store where their MEP 4 was purchased.