

The MIDI Menu

The **MIDI Menu** is used to define a collection of MIDI related parameters as well as to initiate MIDI System Exclusive Data Transfers.

Page 1: Set MIDI Device Number

```
95 MIDI Setup 01
Device >01
```

This parameter allows more than one *ZEIT* Sequencer to co-exist on the same MIDI network. The **MIDI Device Number** can be any value between 1 and 16 and so, theoretically, you could have up to 16 *ZEIT* sequencers connected together!

Page 2: Pitch Bend/Program Change Forwarding

```
96 MIDI Setup 02
PB On PC On Merge>Off
```

These two parameters are both simple On/Off flags. **PitchB** determines whether MIDI **Pitch Bend** messages generated by an attached MIDI Keyboard are merged in with the MIDI Out Data Stream. (This is because MIDI modules connected to the MIDI Out port often have different pitch bend ranges defined. Sending pitch bend messages to these modules can create some interesting tuning issues.)

Similarly, the state of the **ProgChg** flag determines whether MIDI **Program Change** messages generated by the controlling keyboard are merged in with the MIDI Out Data Stream. Program Change messages can be used to load Sequence and Patch records into *ZEIT*. Occasionally, it is undesirable to have these messages forwarded on to downstream modules.

Page 3: Sequence Number Load Range

```
97 MIDI Setup 03
SeqLower>01 SeqUpper 32
```

ZEIT will interpret MIDI Program Change messages on the controlling MIDI channel as an instruction to load a sequence from the local memory. The upper and lower program numbers, **SeqUpper** and **SeqLower** respectively, are set from this page. Program numbers outside of this range have no effect but are merged in with the MIDI Out Data Stream if the **ProgChg** setting in the previous page is switched on.

2.50 THE MENUS IN DETAIL

The range of available values for the SeqLower and SeqUpper parameters is limited by the settings for the **PatLower** and **PatUpper** parameters set in the next page. The two ranges cannot overlap.

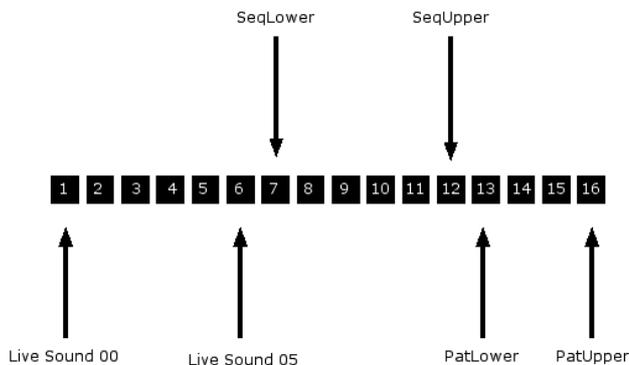
In the above illustration, the **SeqLower** value is set to 01. If a Program Change message is received at the MIDI In port then this would cause *ZEIT* to load Sequence Record 01. If the SeqLower value is set to 10 then *ZEIT* would ignore Program Change messages in the range of 0 to 9. Consequently, you could reserve locations 0 to 9 on your controlling keyboard for changes to your external equipment and locations 10 and above to *ZEIT*.

Page 4: Patch Number Load Range

```
98 MIDI Setup 04
PatLower 33 PatUpper>64
```

This page sets the range of MIDI Program Change values for the **Patch Record Load facility**. MIDI Program Change messages within this range will cause *ZEIT* to load Patch Data Records.

As with the Sequence Load page above, MIDI Program Change values outside of this range are ignored but may be merged in with the MIDI Out Data Stream if the *PC* parameter set in Page 2 is On.



Hint: We've found this facility to be particularly useful in a live situation. You can create three independent ranges on your MIDI master keyboard, one for the sequence load range, a second for the patch load range and a third for your MIDI modules. If you set SeqLower to say, 07 and SeqUpper to 15 then sending a program change message in the range of 07 to 15 will load the sequence records in the range 00 to 07. Similarly, if you set PatLower to 16 and PatUpper to 24 and send a program change message in the range of 16 to 24, ZEIT will load the patches 00 to 07. Program change messages in the range 00 to 07 will be ignored by ZEIT. Consequently, you could save all of your live sound patches in locations 00 through 06. Sending a MIDI program change message in this range will load in your sounds but will be ignored by ZEIT.

Page 5: Sequence System Exclusive Transmit

```
99 Sequence Transmit  
Single>On All Off
```

This page initiates the transmission of one or all of the sequences using the *System Exclusive* protocol.

To send the *current sequence* to a remote host, press the *Enter* push button once and turn the *Data Wheel* clockwise so that the field indicates *On* then press the *Select* push button once.

To send all of the sequences in the battery-backed memory area to a remote host using the *system exclusive* protocol, push the *Enter* button to the *All* field, turn the *Data Wheel* so that the data field reads *On* and push the *Select* push button. The data will then be uploaded to the host via the *MIDI out port*. See the *System Exclusive* appendix for further information.

Page 6: Patch System Exclusive Transmit

```
9a Patch Transmit  
Single>On All Off
```

This page is used to manually send Patch Data via the System Exclusive Protocol.

To send a patch, press the *Enter* button to move the cursor to the first field and then turn the *Data Wheel* clockwise to change the field to 'On. Now press the *Select* button. *ZEIT* will briefly display a 'Sending...' message and then return to normal operation.

To send all of the patch data within the battery-back memory area, move the cursor to the *All* field, use the *Data Wheel* to change the field to *on* and then press the *Select* push button once. *ZEIT* will display the message 'Sending...' for a few seconds and then return to normal operation.

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