

## OPERATION

1. Switch power off on all equipment to be interconnected.
2. Connect Prophet-10 MIDI OUT to MIDI IN jack on other synth or sequencer.
3. Switch power on. After TUNE, notes played on the Upper manual will be sent out MIDI. Incoming notes will be played on the Upper synth.
4. A number of keyboard and mode options are controlled by "coded" front panel operations. Holding the RECORD switch (as opposed to hitting it) accesses these options, causing the present status to be displayed on the switch LEDs. When an LED is lit, it means the corresponding function is enabled for both Transmit and Receive.
5. For example, when you hold RECORD just after power up, only the UPPER LED will light. This indicates that only the Upper keyboard is sending MIDI, and only the Upper synth is receiving MIDI. This default condition allows MIDI to basically operate per step 3, above. If, while holding RECORD, you switch UPPER off, MIDI will be disabled. (To restore, switch it again.) In a like manner, the remaining control options are toggled, as follows:

| <u>SWITCH</u> | <u>FUNCTION</u> |
|---------------|-----------------|
|---------------|-----------------|

|       |                     |
|-------|---------------------|
| UPPER | Upper Keyboard data |
|-------|---------------------|

|       |                     |
|-------|---------------------|
| LOWER | Lower Keyboard data |
|-------|---------------------|

|        |                       |
|--------|-----------------------|
| NORMAL | Upper Program Changes |
|--------|-----------------------|

|        |                       |
|--------|-----------------------|
| SINGLE | Lower Program Changes |
|--------|-----------------------|

|       |                                                                                                                                                        |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| A-440 | Crossover. When in the Crossover state, the Upper data (if enabled) will be sent in Channel 1, and Lower/polysequencer data (if enabled) in Channel 6. |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |                                                                                                                                                                                                                                                                              |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TUNE | Program send. 'Program send' is not a state, but a command which sends out the program currently selected: either the Upper one if Upper keyboard data is enabled, or the Lower one if the Lower keyboard is enabled and the Upper is not, or neither if neither is enabled. |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

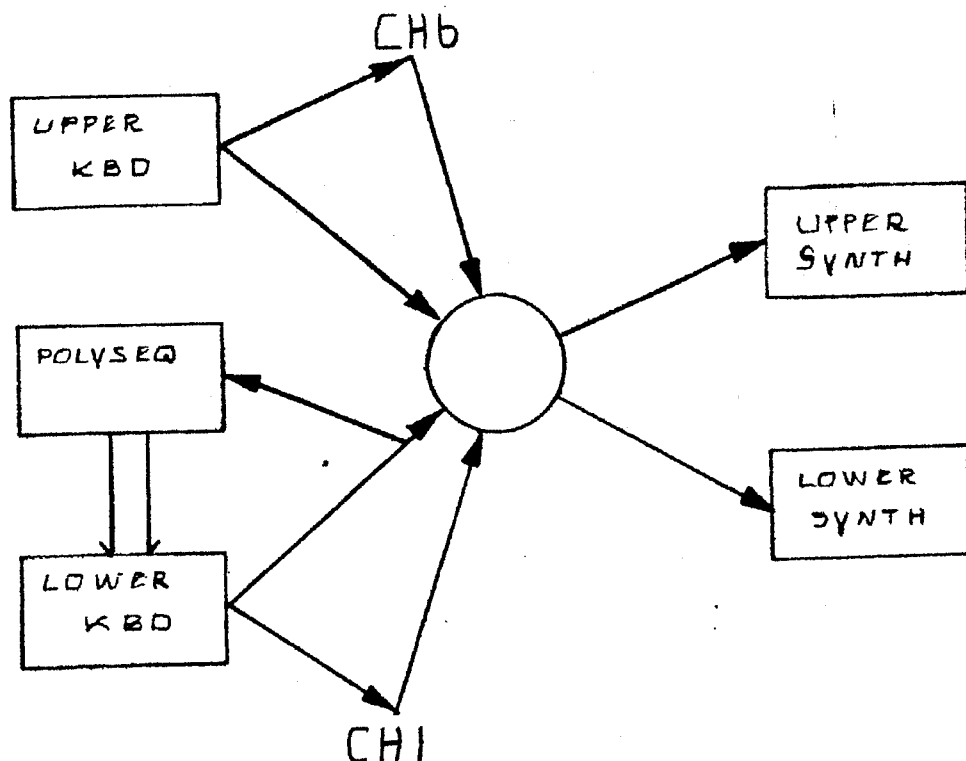
|        |                                                                 |
|--------|-----------------------------------------------------------------|
| DOUBLE | Poly Mode Select command. Selects internally and sends to MIDI. |
|--------|-----------------------------------------------------------------|

|     |                                                                 |
|-----|-----------------------------------------------------------------|
| ALT | Omni Mode Select command. Selects internally and sends to MIDI. |
|-----|-----------------------------------------------------------------|

6. Therefore, to enable the Prophet-10 to select programs on the slave, enable either the NORMAL or SINGLE switches.
7. If the "slave" is a Prophet-10, it can be reprogrammed with the master's program, using RECORD/TUNE. NOTE: Before doing this, check that the back panel RECORD switch is set to DISABLE. Otherwise you can inadvertently copy one program to another.
8. When the TUNE switch (by itself) on the master is activated, the slave will also TUNE.

9. When retrofitted with MIDI, the Prophet-10 standard MONO sequencer interface is disabled. However the standard DIGITAL interface will operate normally. This means the Polysequencer can be used to drive the slave synth.

#### MODES



**Figure 841-10**  
**Prophet-10 CHANNEL FLOW**

On power up, both the Upper and Lower synths (if enabled) will receive and transmit in Omni mode. Receiving encompasses any channel: In Omni mode all received data is sent to Lower and/or Upper synths, and Polysequencer. Also if enabled, Upper and Lower and Polysequencer keyboard data will all be sent out on Channel 1.

The Prophet-10 transmits an Omni or Poly Mode Select/All keys off command on front panel command only.

When a Poly Mode Select command is received in Channel 1, or manually selected, the Prophet-10 will switch to Poly mode: transmitting and receiving Lower keyboard and internal Polysequencer data (if enabled) in Channel 1, and Upper keyboard data (if enabled) in Channel 6. If the Crossover switch is activated (see below), Upper will go over Channel 1, and Lower, over Channel 6.

Program changes are handled the same as keyboard data, that is, according to mode. In OMNI mode, a program change received in either channel will affect both (if enabled), and a manual program change in either channel (if enabled) will be sent out in Channel 1. Poly mode is handled as explained in the previous paragraph, that is, identically to keyboard data.

For more Programming information, please refer to "The Complete SCI MIDI," available for \$10.