

**Section** Trinity

**Question** When I play my Trinity keyboard, there is no sound even though the correct connections are made to the amplifier or headphones.

**Answer**

You will often find that this is because the Local Control (Local Mode) in Global Mode is switched off.

- Press the 'Global' button, located at the left of the screen.
- Press 'P1', located directly below the Global button.
- On the second line of the screen, you will see a check-box on the left of 'Local Control On'. Make sure there is a tick in the check-box.

**Section** Trinity

**Question** On my Trinity, when in Combi Mode, I can hear no sound, although I can hear sound when in Program Mode or Sequencer Mode, and the correct audio connections are made.

**Answer**

This is usually because the Global MIDI channel has been changed from MIDI channel 1. All of the Combinations, when the Trinity leaves the factory, have been set to play when the Global MIDI channel is set to channel 1. This can, of course, be changed, but it does have to be set for each Combination.

To set the Global MIDI channel to 1:

- Press the 'Global' button located to the left of the screen.
- Press 'P1', located directly below the Global button.
- On the second line of the screen, you will see 'MIDI Channel' followed by a number. Highlight the number by touching it on the screen, then use your 'Value +' or 'Value -' buttons, located to the right of the screen, to change the MIDI channel to '1'.
- Then press the 'Combi' button to test and confirm.

**Section** Trinity

**Question** On Trinity, when in Sequencer Mode, I cannot change parameters such as track or channel.

**Answer**

This is often because the joystick needs calibrating or is off center, and is therefore transmitting controller messages that are being received by the sequencer.

To calibrate the joystick:

- Press the 'Global' button, located to the right of the screen.
- Press the Menu Arrow, located on the top right-hand side of the screen.
- One of the options that will appear will be 'Joy Stick X Calibration' which you should now press.

- Push the joystick to the extreme left, followed by the extreme right, release the joystick and press 'Done' on the screen.
- Return to Sequencer Mode and continue as normal.

**Section** Trinity

**Question** When in Trinity's Sequencer mode I wish to route some of the sounds out of outputs 3&4.

**Answer**

- Press 'P1', located to the left of the screen
- Press the 'Trk 1-8' tab or 'Trk 9-16' tab located on the bottom left hand corner of the screen, depending on the selection of track.
- Set 'Pan' to 'Off' for any sounds you wish to route through outputs 3&4 by touching the Pan circle, and rotating the dial counter-clockwise (This stop the sound from being routed to the L/R outputs)
- Press the 'Mix 1-8' tab or 'Mix 9-16' tab located towards the centre at the bottom of the screen, depending on track selection.
- Turn send 1 up to 127 for any sound you wish to route out of output 3
- Turn send 2 up to 127 for any sound you wish to route out of output 4
- Press 'P8', located to the right of the screen
- Turn 'Return1' and 'Return2' all the way to '000' by pressing the virtual fader on screen, and dragging the fader down
- Turn 'Pan1' and 'Pan2' to '50:50' by pressing the appropriate virtual fader, and dragging the fader to the centre position, halfway between left and right
- Please note that you have now used the Master Effects as Insert Effects for the sounds routed through outputs 3&4, so the Master Effects will no longer be relevant for the rest of the mix.

N.B.

- If you still hear nothing from outputs 3&4, the output of one or both of the Master Effects could be low. In this case:
  - Press 'P8' located to the left of the screen
  - Press the 'Edit E1' tab on the bottom of the screen
  - Make sure that the 'Output Level' for the selected effect is set to an appropriate positive level

**Section** Trinity

**Question** When in Trinity's Combi mode I wish to route some of the sounds out of outputs 3&4.

**Answer**

- Press 'Edit' once the preferred Combi has been selected.

- Press 'Tim Param2' tab at the bottom of the screen
- Set 'Pan' to 'Off' for any sounds you wish to route through outputs 3&4 by touching the Pan circle, and rotating the dial counter-clockwise.
- Turn send 1 up to 127 for any sound you wish to route out of outputs 3
- Turn send 2 up to 127 for any sound you wish to route out of output 4
- Press 'P8', located to the right of the screen
- Turn 'Return1' and 'Return2' all the way to '000' by pressing the virtual fader on screen, and dragging the fader down
- Turn 'Pan1' and 'Pan2' to '50:50' by pressing the appropriate virtual fader, and dragging the fader to the centre position, halfway between left and right
- Please note that you have now used the Master Effects as Insert Effects for the sounds routed through outputs 3&4, so the Master Effects will no longer be relevant for the rest of the mix.

N.B.

- If you still hear nothing from outputs 3&4, the output of one or both of the Master Effects could be low. In this case:
  - Press 'P8' located to the left of the screen
  - Press the 'Edit E1' tab on the bottom of the screen
  - Make sure that the 'Output Level' for the selected effect is set to an appropriate positive level

### **Section** Trinity

**Question** When in Trinity's Combination Mode, and having set-up my own Combi, some parts of the Combi do not sound over the entire keyboard.

### **Answer**

This could be due to a keyboard split setting:

- Press 'Edit' once the preferred Combi has been selected
- Press 'P3' located to the left of the screen
- Press the 'KeyZone' tab located at the bottom left of the screen
  - Make sure that, for any sounds that you wish to hear over the entire keyboard range, the 'Top Key' is set to 'G9', whilst the 'Bottom Key' is set to 'C-1'. Also make sure that the 'Top Slope' and 'Bottom Slope' are set to '000'. To make any changes, just highlight the value you wish to change by touching it on the screen, and then using the 'Value +' or 'Value -' buttons located to the left of the screen, or the data input dial, located to the right of the screen.

### **Section** Trinity

**Question** When in Trinity's Combi Mode, and having set-up my own Combi, some parts of the Combi sounds do not sound under a certain velocity or other sound do

not sound over a certain velocity.

**Answer**

This could be due to a velocity switch setting:

- Press 'Edit' once the preferred Combi has been selected
- Press 'P3' located to the left of the screen
- Press the 'VelZone' tab located along the bottom of the screen
- Make sure that for any sounds you wish to hear over the entire velocity spectrum have the 'Top Velocity' set to '127', and the 'Bottom Velocity' set to '001'. Also make sure that the 'Top Slope' and 'Bottom Slope' is set to '000'. To make any changes, just highlight the value you wish to change by touching it on the screen, and then using the 'Value +' or 'Value -' buttons located to the left of the screen, or the data input dial, located to the right of the screen.

**Section** Trinity

**Question** On Trinity, how do I create songs using the Loop Recording mode ?

**Answer**

1. Enter Sequencer mode by pressing the SEQ button.
2. Select the desired Bank and Program for Track 1 (or the next blank track) by touching and changing the Bank and Program fields in the first column on the left. To change a selected value, you can use the Value Slider, Value Buttons, Value Wheel, Keypad entry or for many settings using the Touchview selection.
3. Touch "Pref" (Preference) in the lower-right of the display.
4. In the "Recording Setup" area of this page, touch the radio button to the left of "Loop".
5. To the right of "Loop", select the start and end measures. For example, a setting of M001.....M004 will set up a four measure loop.
6. Press REC/WRITE and you will hear the metronome.
7. Press START/STOP and you will get two bars of count-in before recording begins.
8. Record your loop. As the sequence loops you can add new data.
9. Press START/STOP to stop recording.

**Section** Trinity

**Question** On Trinity, how can I make loops into new patterns ?

**Answer**

After recording using the Loop Recording mode:

1. Press the P6 button to enter the Pattern page.
2. Select an unused Pattern number. To confirm that a pattern is blank, press the Start/Stop button when the pattern is selected. If the sequencer does not start, the pattern is blank.

3. Touch the upper-right tab button to select Pattern Edit mode.
4. Touch and set the Pattern Parameter. You can now set this value to the original length of the loop (i.e. 4 measures if the loop was 4 measures long) You can also set the length to a lesser number of measures (i.e. 2 measures to make the pattern the first two measures of the loop).
5. Touch the upper-right tab button to select Pattern Edit mode again.
6. Touch "Get from Track".
7. Touch to select the "Song", "Track" and "Measure" values as desired.
8. Touch "OK" to confirm your selection. You have just created a new pattern from the original loop, and can now Put or Copy this pattern back into any song or track at the desired locations

**Section** Trinity

**Question** How do I use one of Trinity's Combination sounds in a song of the Sequencer mode?

**Answer**

1. Press the SEQ button to enter Sequence mode.
2. Touch the arrow box at the upper-right of the display.
3. Touch "Copy from Combi".
4. Select the desired Combination using the Keypad, Touchview, or Value Slider, Value Buttons or Value Wheel.
5. Touch "OK". The Combination has been copied to the song. It will use as many tracks in the song as were Programs in the Combination itself. For example, if there were 3 Programs in the Combination, Tracks 1-3 will now be used for those Programs. Note: When you "Copy from Combi" to Tracks 1-8 or Tracks 9-16, these groups of tracks will all be set to MIDI channel 1. This happens since each Program within the Factory Combination sounds are all programmed to MIDI channel 1. If the Combination uses less than 8 tracks, you will want to set the unused tracks to a different MIDI channel, so that you can record new data on these unused tracks.

**Section** Trinity

**Question** How do I change the MIDI channel setting on an individual track?

**Answer**

1. Press the P2 button.
2. Touch and change the MIDI channel numbers for the desired track.

If a Combi uses Tracks 1-3, leave these MIDI channel settings the same (Channel 1 for instance). Change tracks 4-8 to a different, unused MIDI channel, so that these tracks are separated from the Combination.

**Section** Trinity

**Question** How do I Quantize as I record (Real-Time, Pattern, or Loop modes)?

**Answer**

1. Locate the "Resolution" parameter in the upper-center of the display on Page 1.
2. Touch and set the value to the desired resolution. For example, if you are recording sixteenth notes, set this value to a sixteenth note.
3. Record and then playback the track. The data will be quantized to the closest sixteenth note locations.

**Section** Trinity

**Question** How do I Quantize after I have recorded ?

**Answer**

1. Press P5 to enter Track Edit mode.
2. Locate the "StartMeasure" and "EndMeasure" parameters in the display. Set these parameters as desired. (i.e. StartMeasure: 001 EndMeasure: 040)
3. Touch the upper-right tab button to make a pop-up menu appear.
4. Touch "Quantize" and another pop-up menu appears.
5. Touch to select the "Kind" of data (i.e. Note) you want to quantize, the actual "Resolution" value (i.e. Sixteenth note) and the "Offset" and "Intensity" of quantizing. The "Offset" and "Intensity" values allow you to create either a more natural or a tighter feel to the rhythm. "Offset" varies the distance from the specified timing to which the data will be moved. "Intensity" specifies the degree of quantization that will be applied. Experiment with these settings to experience different feels.
6. Touch "OK" to perform the quantization.
7. Playback the track. If you are not pleased with the resolution, press the COMPARE button, set new quantize values, and listen to the newly edited version of the track.

**Section** Trinity

**Question** How do I use Trinity's effects in the Sequencer mode ?

**Answer**

1. Press the SEQ button to enter Sequencer mode.
2. Assign a Program to a track.
3. Touch the Pan parameter for the assigned track.
4. Set the Pan value to "PRG".
5. Touch the tab button labeled "MIX 1-8" at the bottom of the display.
6. Set the "Send" levels for Sends 1 and 2 to a value of "PRG". You have now set this track to use the pan and send levels it has in the Program location. What are the basic functions and operations of the event edit mode? Anytime you touch a key, modulation control or pedal, you create a MIDI event (i.e. note on, note off, velocity, damper on and off message). When sequencing, the event edit mode allows you to change or delete existing MIDI events, or add (insert) new ones. This becomes useful in situations like fixing an incorrect note in an otherwise perfect recording, or adding sustain to notes.

## **Section** Trinity

**Question** How do I access and use the event edit mode ?

### **Answer**

1. In an existing sequence, select a track where data has been recorded.

If you have not recorded anything, you could load the factory demo sequences from the TFD-00P disk that came with your Trinity.

2. Press the P5 button to the left of the display on your Trinity.

3. In the upper-right corner of the display, touch the tab button next to "Track Edit".

4. Touch "Event Edit" in the pop-up menu that appears.

A new pop-up menu appears, which is the Event Filter. If you want to see all MIDI events as they were recorded, leave these boxes "checked" and touch "OK". If you only want to see a certain type of data (i.e. Note data), touch to "un-check" (filter-out) the data you do not want to see, then touch "OK".

5. At this point, the selected track's events are displayed.

```
[ M 001 #002 BT:03.000 CTRL C:064 127 ]
```

M 001 is the Measure and in this example is showing the first Measure

#002 is the Event Number and is showing the second Event

BT:03.000 is the Beat and is show the third Beat

CTRL C:064 127 is the MIDI Event and is showing Controller 64 = Damper Value 127 = On

How to work in the event edit mode -

1. Select a specific measure you need to edit by touching "Meas 001", which is found in the upper right corner of the display. Enter the measure number with the keypad.

2. To scroll through a selected measure, touch "Index: 00000", which is found in the upper right corner of the display and use the data wheel to view and access events in the selected measure.

3. Touch the event and edit the event as necessary.

```
[ M 001 #002 BT:03.000 CTRL C:064 127 ]
```

Note: Once you have highlighted a line in the event edit list, you will be able to access the "Insert", Delete", and Copy" commands at the bottom of the display.

4. When you have completed editing, touch the "Done" box in the display.

## **Section** Trinity

**Question** How do I use the Trinity in multi-timbral mode with my computer?

### **Answer**

The Trinity allows you to use up to 16 Programs individually when you are in Sequence mode. If you prefer to use a computer based sequencer with your Trinity,

use a Song in the Trinity's Sequencer mode as a template for your computer sequencer.

1. Connect your MIDI interface/computer to the Trinity as per the directions which came with your interface.
2. On the Trinity, press the GLOBAL button to enter Global mode.
3. Locate and touch the box next to "Local Control On" to un-check the box. This means Local control is off. MIDI data from the Trinity will be sent to your computer/sequencing software and routed back to the Trinity's MIDI input from the computer. (Please refer to the instructions that came with the software based sequencer.)
4. Send over Program and bank changes from the external sequencer to select Programs for the tracks on the Trinity.
5. Record tracks in the software based sequencer by playing the Trinity You now have a Multi-timbral setup in the Trinity for use with an external sequencer.

### **Section** Trinity

**Question** How do I record a song in real-time (linearly) in Trinity's sequencer mode ?

**Answer** 1. Press the SEQ button to enter Sequencer mode. Press the P1 button to confirm that you are on the first page of the Sequence mode. You will see eight sets of parameters below "Bank/Program" in the middle of the display. Bank A, Program 000 are the default values set for each track in a new song. Below the Bank/Program parameters are the settings for Pan, Volume, and Play/Mute status for each track. At the bottom of the display there is access to "Track1-8", "Track9-16", "Mix1-8", "Mix9-16" and the "Pref" (Preferences) pages using the tabs. For now, make sure that "Track1-8" is selected, so that you can view and access data related to these tracks. 2. Select the desired Bank and Program for Track 1 by touching and changing the Bank and Program fields in the first column on the left. To change a selected value, you can use the Value Slider, Value Buttons, Value Wheel, Keypad entry or for many settings using the Touchview™ selection. 3. Press the REC/WRITE button located to the right of the display. You will hear a steady metronome "click". To adjust the tempo, touch and change the Tempo parameter located in the upper-left of the display. Use any of the methods listed in step 2 to make this change. 4. Press the START/STOP button. You will hear a two-measure count-in before recording begins. 5. Begin recording your track after the two measure count-in. 6. When you have finished recording, press the START/STOP button to stop recording. You have just sequenced a track. If you are not pleased with what you have recorded, simply start over from step 3. The default recording mode is set to OVERWRITE, which means that every time you record on the same track, the sequencer will erase the previous data (starting from the selected measure). If you want to erase the entire track, make sure to press the RESET button to begin re-recording at Measure001

### **Section** Trinity

**Question** How do I record additional tracks ?

**Answer** 1. Select a new track in the upper-right of the display: "Track: >T02: Track 02" 2. Press the REC/WRITE button located to the right of the display. You will hear a steady metronome "click". To adjust the tempo, touch and change the Tempo parameter located in the upper-left of the display. Use any of the methods listed in step 2 to make this change. 3. Press the START/STOP button. You will hear a two-

measure count-in before recording begins. 4. Begin recording your track after the two measure count-in. 5. When you have finished recording, press the START/STOP button to stop recording. You will automatically hear any previously recorded tracks for the song you are sequencing. This method of sequencing is Real-Time or Linear recording. Trinity's Sequencer Mode allows for four methods of recording: Real-Time, Pattern, Loop, and Step-Time.

**Section** Trinity

**Question** How do I record a Pattern and use it in a song?

**Answer**

1. Press the SEQ button to enter Sequencer mode.
2. Select the desired Bank and Program for Track 1 (or the next blank track) by touching and changing the Bank and Program fields in the first column on the left.

To change a selected value, you can use the Value Slider, Value Buttons, Value Wheel, Keypad entry or for many settings using the Touchview™ selection.

3. Press the P6 button to enter the Pattern Record mode page.

There are 100 available Patterns in memory. Pattern P00 is shown in the display.

4. Press the upper-right tab button, next to "PatternEdit".

A pop-up menu appears in the display, giving you access to the pattern edit parameters.

5. Touch "Pattern Parameter" and a new pop-up menu appears. Set the length of this pattern to "4" by pressing 4 using the keypad and pressing ENTER.

6. Press "OK" to set the pattern length to 4 measures. Leave the "Meter" setting at 4/4, which is the default value.

7. Press the RECORD/WRITE button. You will hear the metronome. You may change the tempo by touching the Tempo parameter in the display.

8. Press the START/STOP button. You will hear two measures of count-in before you can begin recording.

The pattern you are now recording will "loop" itself automatically. Each time the pattern ends, it begins at the first measure again. You can add to the recording each time the pattern repeats. This is known as loop recording and is especially helpful for drum parts.

9. Press the START/STOP button to stop recording.

At this point, the pattern you have just recorded only exists in the Pattern mode. In order to use it in a Song, you will need to Put or Copy it to the appropriate track.

The difference between Put and Copy Pattern is important to distinguish:

Copy Pattern creates all the same events on the track as they exist in the pattern. This function uses up more sequencer memory, but the events exist on the track to be viewed or edited.

Put Pattern creates a pointer on the track that makes the pattern play from the pattern mode. The benefit of Put Pattern is that it saves sequencer memory.

**Section** Trinity

**Question** How do I Put a Pattern into a song?

**Answer**

1. Press the P6 button to enter the Pattern Edit page.
2. Press the upper-right tab button next to "PatternEdit". A pop-up menu appears in the display, giving you access to the pattern edit parameters.
3. Touch "Put to Track" and a new pop-up menu appears. Here you can select the desired Pattern, Track, and destination Measure where you want to Put the pattern.
4. Touch "OK", leave the settings in this pop-up menu at their default values for this example.

Note that the "Measure" parameter now reads "5". This means that the 4-bar pattern you created has been put into the sequencer at bar 1 and the Trinity is ready to put the pattern again at the next available measure.

5. Touch "OK" to Put the pattern into the track as many times as you wish, or you can select specific measure locations by changing the measure number field.

If you want to Copy the pattern data to the track, select "Copy to Track" from the pop-up menu instead of Put to Track.

6. Touch "Cancel" when you've completed the "Put to Track" function, and you will return to the main Pattern mode page.
7. Press the P1 button to return to the Page 1 of the Sequence mode.

When you return to the Sequence mode from pattern record mode, the tempo always defaults to the song's tempo.

8. Press START/STOP to listen to your sequence.

**Section** Trinity

**Question** What type of disks should I use in my Trinity ?

**Answer** The Trinity uses either Double Density (2DD) or High Density (2HD,) 3.5", MS-DOS formatted disks. For greater storage capabilities, use High Density disks.

**Section** Trinity

**Question** How do I get my original factory programs and settings back?

**Answer**

Note: Make sure to back-up any new internal data to disk before reloading the factory data!

1. Insert the disk which came with your Trinity, labeled "TFD-00P.
2. Press the DISK button to enter Disk mode.
3. Touch "Load" on the bottom-left of the display.

4. Touch to highlight the file "TFD-00P. PCG". This is the factory preset file for Programs, Combinations and Global settings.
5. Touch the arrow in the upper-right of the display next to "Load".
6. Touch "Load Selected".
7. Touch "OK" to load in the Factory preset file.
8. Press the START/STOP button to begin playback. Note: In order to playback a SMF that uses the General MIDI (GM) settings, you will need to load the "General PCG" file from the TFD-01P disk that came with your Trinity. This file contains the GM programs.

**Section** Trinity

**Question** How do I compile songs from several different disks onto one disk?

**Answer**

When you "Save song" in DISK mode, you are saving all of the songs in the current Sequencer memory into a single file, or FOLDER. A folder appears as a name, followed by ".SNG".

When you access a disk to load songs, these folders can be opened to reveal the individual songs within the folder.

The default name of a folder is "NEWFILE", but you can name your folders when saving to disk (i.e. ROCKSONGS.SNG). For example, ROCKSONGS.SNG may contain 3 songs that were in the sequencer when you execute "Save song". Even though these songs were saved as part of a folder, they can still be loaded individually into the Trinity. Songs can be loaded into the Trinity from multiple disks and eventually saved as a compilation onto another disk.

There are 20 Song locations in Trinity's Sequencer memory. To get an idea of how to load individual songs from different disks, use the 2 TFD disks that came with your Trinity or any two disks with song files on each.

Follow the steps outlined in "How to load one song from a disk". Do this for every song that you want to include in your compilation, but remember to select a new destination song location.

Now you have started to create a new compilation of songs. At this point, you can insert a DOS-formatted disk into the drive, name your new folder, and save the set of songs.

**Section** Trinity

**Question** How do I load one song from a disk that contains many songs ?

**Answer**

1. Insert a disk into the disk drive.
2. . Press the DISK button to enter Disk mode.
3. Touch "Load" located at the bottom-left of the display.
4. The directory of files from the disk now shows in the display.

5. Touch to highlight one of the folders with "SNG" at the end of the file name.
6. Touch "Open" to see the individual songs in the folder you have selected.
7. Touch to highlight one of the "SNG" files.
8. Touch the arrow box in the upper-right of the display.
9. Touch "Load Selected" in the pop-up menu that appears. You will be asked which song location (0-19) you want the song to load into.
10. Select any destination song location.
11. Touch "OK" to load the selected song into the destination song location.
12. Press the SEQ button and confirm that the song has been loaded.

**Section** Trinity

**Question** How do I Save Songs to disk ?

**Answer**

1. Insert a DOS-formatted disk into the disk drive.
2. Press the DISK button to enter Disk mode.
3. Touch "Save" located at the bottom of the display.
4. Touch the upper-right arrow box next to "Save".
5. Touch "Save Song".
6. A pop-up menu appears. Touch the "T" box, followed by "Clear" and name your new song file.
7. Touch "OK" twice to save to disk. Make sure to name your new song folder, so that you will be able to view and load it as needed in the future.

**Section** Trinity

**Question** When in Sequencer Mode, I cannot change any parameters such as track or channel.

**Answer** This is usually due to the fact that the joystick has not been calibrated, and is transmitting controller messages that are being received by the sequencer making it think you are still doing something on that track. To calibrate the joystick, press the Global button. Press the Menu Arrow, located on the top right-hand side of the screen. Choose the option 'Joystick X Calibration'. Push the joystick to the extreme left, followed by the extreme right, release the joystick and press 'Done' on the screen. Return to Sequencer Mode and continue as normal.