VISTA™
Quick Start Guide
Software Version v1.07

Vista™
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I. INTRODUCTION

The Allen Vista™ is an integrated instrument that combines an Allen Ensemble™ MIDI sound module, an integrated four-track MIDI sequencer, and a MIDI router all in one package.

The Allen Ensemble supplies a vast array of sounds from standard General MIDI to an advanced Allen Organ soundset. The General MIDI soundset includes 128 different sounds arranged in the familiar General MIDI format, plus, an additional 127 sounds from the Allen Organ sample library. The Ensemble section also contains 8 complete drum kits. In addition, the Ensemble has the ability to store 128 Preset Combinations in 16 possible capture memory locations *(the available capture memories are based on the Allen Organ the Vista™ is installed on).* Each Preset Combination is user programmable and can be saved and loaded via Vista's Compact Flash memory card. All Preset Combinations are stored directly on the Compact Flash Card, so no batteries are required. The Ensemble section has an expanded control section that allows the user to adjust individual voice tuning, volume, octave transposition, note limits and other parameters.

The Vista™ sequencer section is a four-track MIDI record/playback system. The sequencer operates similar to a tape recorder. Each of Vista's four tracks can be individually controlled from the Vista's front panel.

The MIDI router section provides complete MIDI control without having to change MIDI cables in between sequence record or playback modes. Vista includes an auxiliary MIDI output to connect to an external MIDI sound device for even more versatility. Built in capture utility features, designed to work with the Allen Organ, allow the saving and loading of Capture Memory data and/or piston configuration data directly to and from Vista's Compact Flash Card.

Congratulations on your purchase of the Allen Vista! Familiarize yourself with the operation of the Vista by reading through this owner's manual. This manual was designed to get you up and running with your Vista right away. A more sophisticated, in-depth owner's manual is available for download from the Allen Organ Company website. You must be a registered member of the Allen Organ Owner's Club to get this in-depth owner's manual. To become a member of the Allen Organ Owner's Club, log on to the Allen Organ Company website and click on the link for the "Owner's Club". Follow the instructions on your screen to become a member.

II. CONTROL PANEL

1. Vista Controls Descriptions

❑ The Data Knob is a multifunction control that allows the user to navigate through multi-structured menus, as well as adjust individual control parameters. Two LED indicators display whether you are maneuvering through menus or changing control data. The Data Knob has an integrated push switch to change between menu and data control.

❑ The LCD readout is a 4-line type, capable of displaying multiple lines of information. This LCD displays all pertinent user information at the touch of a button.

❑ ENSEMBLE A/B PORTS buttons: Turns on/off the A or B voices on the internal Ensemble.

❑ AUX. C button: Turns the Auxiliary C MIDI port on/off. The Aux. C button operates an external MIDI sound module connected to its MIDI port.

❑ ORGAN PLYBK button: Turns the MIDI port connected the organ's MIDI input on and off. *This control only functions in the sequencer mode and only if there is data recorded on the organ track, see Section 3b later in this manual.*

❑ PRESET button: Enters the Ensemble mode from Vista's main screen *(see Section 2a later in this manual).* Repeated presses of the Preset button will toggle between the selection of voices and the selection of a preset combination number. The Preset button also functions as an "escape" button. For example, if Vista is in a mode other than Ensemble mode, pressing the Preset button will return the LCD to Vista's main screen.

❑ PORT button: Active only in Ensemble mode. Pressing the Port button will change the display to indicate what voices are assigned, via preset combination, on one of three available Ports. The active Port displayed is indicated by the "A", "B" or "C" letters in the upper left side of the display. For example, when MIDI "A" is displayed, the "A" voice settings for the current preset combination indicated is shown in the display. The voices are listed by division and/or MIDI Channel.

❑ YES/EDIT button: This is a multi-function command button. It performs a variety of command functions based on Vista's current mode.

❑   <u>SAVE button</u>: The Save button enables the Vista to save various parameters based on Vista's current mode.

❑   <u>REC. button</u>: Enters a menu that allows the user to select a variety of options. Pressing the REC button, while in the menu, activates the Sequencer and places the Sequencer in record mode.

❑   <u>STOP/CONT. button</u>: Enters a menu that allows the user to select a variety of options. Pressing the Stop/Cont. button while the Sequencer is active; stops or continues (only in playback, from the stop point) the sequence from either playing or recording.

❑   <u>PLAY button</u>: Enters a menu that allows the user to select a variety of options. Pressing the PLAY button while in the menu activates the Sequencer and places the Sequencer in playback mode.

❑   <u>FUNC. button</u>: Enters a menu that allows the user to select a variety of options including Master Volume and Restore Defaults functions.

2. MIDI Interface Module

❑   <u>AUDIO OUT</u> (P1592): This connection supplies a "balanced line" audio output signal to the organ's audio system.

❑   <u>POWER IN</u> (P1593): This connection is for +5V, ±12V power and supply ground.

❏ DATA (P1594): This connection is for the Vista control head.

❏ ORGAN MIDI IN/THRU/OUT (P1595/P1596/P1597): Connects to the organ's MIDI IN/THRU/OUT 1 ports.

❏ SWITCHED MIDI IN/THRU (P1598/P1599): This MIDI IN connects to the organ's MIDI OUT 2 port. The MIDI THRU is not connected.

❏ MIDI PORT C (P1600): Connects to an external MIDI sound module.

III. GETTING TO KNOW VISTA

1. Start-Up

Vista will power up when the organ's power switch is turned on. The Vista's LCD will "splash" a copyright message for a few seconds then the words LOADING and PLEASE WAIT will appear sequentially. This action indicates that Vista is loading the operating software, which may take 15 to 20 seconds. A Compact Flash Card (from 32 Meg's to 1 Gigabyte) must be installed for the Vista to complete loading. The Vista's LCD will indicate a loaded Preset Combination and configuration file then prompt the user to press the CANCEL piston on the organ to begin. The Vista is ready to use when its Main Screen appears in the display. Vista's Main Screen will display the current software version, as well as the current capture memory level.

2. Restoring Default Factory Settings

To restore the factory settings:

1) Press the FUNC button on the Vista's top panel. The cursor LED will light and the LCD will enter a master menu.

2) Rotate the Data Knob until the flashing cursor is positioned on the menu option "RESTORE DEFAULTS". Press the YES/EDIT button on the Vista's top panel.

3) The Vista's LCD will indicate that it is ready to restore the factory default settings. Press the YES/EDIT button on the Vista's top panel to restore factory defaults or press the PRESET button or Data Knob to escape back to the master menu.

4) If restoring factory defaults; the LCD will indicate that it is restoring the Vista to factory settings. Once the restore process is complete, the LCD will indicate "Press any button to continue". Any Vista top panel button will return the Vista to the master menu.

3. Volume Control Adjustments

The Vista has two independent volume control adjustments; one volume adjustment for the Vista's Ensemble and one volume adjustment for the Vista's sequencer, specifically the playback section. Pre-recorded sequences have the potential to playback louder than originally recorded. The Vista's sequencer playback volume control was incorporated to alleviate this situation. The sequencer's volume controls are adjustable only when the Vista's sequencer is active *(see Section 4b)*.

To set the Vista's Ensemble master volume:

1) Press the FUNC button on the Vista's top panel. The cursor LED will light and the LCD will enter a master menu.

2) Rotate the Data Knob until the flashing cursor is positioned on the menu option "MASTER VOLUME". Press the YES/EDIT button on the Vista's top panel.

3) Rotate the Data Knob until the flashing cursor is positioned on the MIDI port that is to be adjusted. *Note: The A-B MIDI port will adjust the Ensemble's overall volume. The C MIDI port will adjust the external MIDI sound device's overall volume.*

4) Press the Data Knob, the data LED will light.

5) Rotate the Data Knob to change the value. *Note: The master volume settings, only for the Ensemble section, are automatically saved on the Compact Flash card.*

Important: The previous master volume settings, only for the Ensemble section, are re-loaded from the Compact Flash card when the Vista is powered up. Upon entering the Vista sequencer for the first time from power-up, the volume settings for the Vista's sequencer are loaded from the Ensemble's volume settings as a starting reference. Example: If the Ensemble's master volume setting (A-B) is set to 64, the Vista's sequencer volume setting for the A-B MIDI port will be set at 64. From this point on, the volume settings are now independent from each other. Remember, this action will happen each time the Vista is powered on/off.

4. Ensemble Mode

To enter the Ensemble mode of operation, press a general or divisional piston button on the organ. The LCD will display either a current Preset or Divisional Combination selected. A Preset Combination is a set of six divisional combinations. Each divisional combination has three available MIDI ports. Each MIDI port is capable of playing three independent voices. Each independent voice has a group of setup parameters that are programmable on a per voice basis. Two MIDI ports are dedicated to the built-in Ensemble, while an Auxiliary C MIDI port is available for an external MIDI sound device.

Vista is equipped with a set of factory Preset and Divisional Combinations. The Preset and Divisional Combinations can be re-programmed at any time with your own settings. In addition, the factory settings can be restored at any time by using the Restore Defaults menu option *(see Section 2)*. The factory Combinations are grouped by category and were designed to give the user a wide-range of registrations possibilities on Vista for various music styles. The categories are…

Memory 1: Sampler *(Only Ensemble Port A is enabled)*
Memory 2: Orchestral
Memory 3: Contemporary
Memory 4: Theatre/Gospel
Memory 5: Traditional

Vista is capable of storing Preset Combinations or Divisional Combinations by using the organ's pistons. When using a general piston to select a Preset Combination, Vista's LCD and MIDI port LED's will change to indicate a

complete setup. When using a divisional piston to select a Divisional Combination, Vista's LCD will indicate the individual divisional voice with voice parameters. *Note: The port LED's on Vista's panel are active only in a Preset Combination and not on a Divisional Combination. If a selected Divisional Combination has different MIDI port settings, the divisional MIDI port settings will override the setting of the Preset Combination on that specific division. The port status LED's will not change since they follow the Preset Combination.*

a) Preset Combinations (Setting Combinations)

To set or change a Preset Combination on Vista from the organ:

1) Select a capture memory level on the organ, then, press a general piston. For this example, select Capture Memory Level 1 then press General Piston 1.

```
┌─────────────────────────────┐
│ MEM: 1                      │
│ xx:xx:xx am    P            │
└─────────────────────────────┘
```
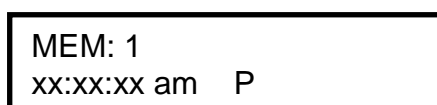
2) The capture memory level and general piston selected will automatically determine a memory position for storage in Vista. General pistons will select a complete Preset Combination. In this example, Vista's LCD indicates that Capture Memory 1, General Piston 1 Preset Combination was selected. It also indicates the divisional voices programmed on MIDI Port A (Ensemble Port A) and that Ensemble port A is active. Pressing the PORT button on the Vista panel will change the MIDI port and show the divisional voices programmed on it. *Note: There are 3 active MIDI ports available for the user to set voices and parameters.*

3) The cursor LED above the Data Knob is lit to indicate that the Data Knob is active. Rotate the Data Knob until the flashing cursor in the LCD is positioned on the divisional voice you want to change. *Note: The bottom three lines will "roll" to show divisions 4 thru 6 when the cursor goes below division 3. The same is true in reverse, when the cursor goes above division 4 the display will "roll" to show divisions 1 through 3.*

4) Press the Data Knob, the data LED now lights above the Data Knob indicating that it will now change the individual division's voice name. Rotating the Data Knob will change the divisional voice name.

5) Once a new voice name is selected, press the Data Knob again. The cursor LED will light indicating that another division can be selected.

6) Repeat steps 3 through 5 to setup all divisions on Vista. Do not forget to setup other voices on the other MIDI ports. To access the other MIDI ports, press the PORT button on Vista's panel.

7) To save the current Preset Combination, press the SAVE button on the Vista panel. Then, to save the Preset Combination to the same capture memory level and general piston position, press the same number general piston on the same capture memory level. To save the Preset Combination to a different capture memory level and/or general piston location, set a new capture memory level in the Allen Organ's Console Controller™, then press the same or different number general piston. The newly saved Preset Combination position is displayed on Vista's LCD.

b) Preset Combinations (Divisional Voice Setups within a Preset Combination)

Divisional voice parameters within the Preset Combination include the ability to change the voice, volume, octave transposition, tuning, set note limits, as well as change the velocity parameters of the individual voice. To set or change individual voice parameters within a Preset Combination in Vista, you must first select a Preset Combination *(see Section 2a)*. Then:

1) With the cursor LED lit, rotate the Data Knob to select a division.

2) Press the YES/EDIT button. The Vista's LCD will indicate the individual voice settings on the division selected.

3) Rotate the Data Knob to select a voice parameter. *Note: The LCD will "roll" to display additional parameters not visible on the LCD.*

4) Press the Data Knob on a selected voice parameter, the data LED will now light.

5) Rotate the Data Knob to change the selected voice parameter.

6) Once a parameter is set press the Data Knob again, the cursor LED will light. Rotating the Data Knob will move the cursor to a new voice parameter. To adjust another voice parameter repeat steps 3 thru 6. Do not forget to setup other voice parameters on the other MIDI ports. To access the other MIDI ports press the PORT button on Vista's panel.

7) To save the divisional voice setup, press the SAVE button on Vista's panel. Then press the same general piston to store changes. *Note: For reference, the current selected Combination is displayed on line 1 of the LCD.* The LCD will revert back to the Combination when saved. Repeat steps 1 thru 7 to setup another division. Do not forget to setup other MIDI port's divisional voice setups. To change MIDI ports press the PORT button on Vista's panel.

It is possible to save a divisional voice setup to a divisional piston. This will not affect the overall Preset Combination, but will store the divisional voice setup on an individual divisional piston basis. This is called a Divisional Combination. To save divisional voice setups to a divisional piston, press a divisional piston instead of a general piston in step 7 above. The divisional voice setup will be saved as a Divisional Combination instead of a Preset Combination. <u>Remember</u>: When saving data to a divisional piston, the Preset Combination will remain un-changed.

c) MIDI Ports (within a Preset Combination)

There are three available MIDI ports: Ensemble A, Ensemble B and Aux. C. The LED's on Vista's top panel above the port buttons indicate which ports are active in a Preset Combination. If an LED is lit, that specific port is active. If an LED is unlit, that specific port is inactive. To enable or disable a MIDI port, press the corresponding port button below the port name to toggle the status. The status of the MIDI ports and associated LED's is saved within a Preset Combination.

d) MIDI Ports (within a Divisional Combination)

Each Divisional Combination can contain its own MIDI port settings. The Divisional Combination MIDI port settings will override the Preset Combination

settings on that specific division only. Vista's LED's will not indicate the Divisional Combination MIDI port status. When a divisional MIDI port is active, line 1 of the LCD will indicate the MIDI port status of the displayed MIDI port. ON or OFF will appear on line 1 after the listed MIDI port. To change the MIDI port status within a Divisional Combination, press the corresponding MIDI port button to enable/disable a MIDI port. For example, pressing Ensemble Port B will enable/disable MIDI Port B. Note that the LED's do not change. The LED's are linked to the Preset Combination not the Divisional Combination. To view other divisional MIDI port statuses press the PORT button on the Vista's top panel.

5. Sequencer Mode

Vista is equipped with a four-track MIDI sequencer. This is similar to having four individual tape recorders in one convenient device. While a tape recorder records and plays back an audio signal, Vista's sequencer records and plays back MIDI data. Because four tracks are available, elaborate musical scores can be performed. Each track can play a different part of the musical score. This makes it seem like two or more people are playing the musical score, instead of one person. Each track is assigned to one of the three available MIDI ports. In addition, the Allen Organ has its own dedicated MIDI track.

a) Sequence Record

To enter the sequencer mode of operation:

1) Press one of the three sequencer control buttons, REC – STOP/CONT – PLAY, on Vista's panel. The cursor LED will light and the LCD will prompt for an additional action.

2) To record a new MIDI sequence, either rotate the Data Knob until the cursor appears on the menu option "NEW SONG", or, press the REC button on Vista's panel. *Note: If using the Data Knob, once the cursor is positioned on the menu option "NEW SONG", press the YES/EDIT button.* Vista is now in record mode.

3) Using the Data Knob, select one of the four available tracks that data is to be recorded. *Note: When the cursor LED is lit, the Data Knob will move between tracks. When the data LED is lit, the Data Knob will change the track record status. Note: "**R**" = Record, a single line indicates that the track is not being recorded.*

4) Once a track is selected, press the REC button. Vista is now ready to record a performance. To start recording, press and hold the REC button. Then, while holding REC press the PLAY button. Vista is now recording. The counter at the bottom of the LCD will count up as the recording progresses.

5) To stop the recording, press the STOP/CONT button on Vista's panel.

6) As a standard practice, once a track has been recorded the performance should be saved. *Note: If a new filename has already been selected proceed to step 7.* Vista will automatically select a default filename for the recording. After the recording is stopped, the filename is displayed on the top line of the LCD. To change the filename, rotate the Data Knob until the cursor is on the menu option "RENAME?". Press the YES/EDIT

button. Use the Data Knob to change the filename. *Note: When the cursor LED is lit, the Data Knob will move between characters. When the data LED is lit, the individual character is changed.* Up to a 16 character filename can be selected. Once a new filename is selected, press the YES/EDIT button.

Vista has the ability to create and save files under sub-directory folders on the Compact Flash Card. To create a sub-directory:

a) Rotate the Data Knob until the cursor is positioned on the menu option "SELECT FOLDER". Press the YES/EDIT button.

b) Rotate the Data Knob until the cursor is positioned on the menu option "CREATE NEW FOLDER". Press the YES/EDIT button.

c) Line 1 of the LCD will display a sub-directory name called "New Folder". To rename the folder, rotate the Data Knob until the cursor is positioned on the menu option "RENAME?". Press the YES/EDIT button. Use the Data Knob to change the sub-directory name. *Note: When the cursor LED is lit, the Data Knob will move between characters of the sub-directory name. When the data LED is lit, the individual character is changed.* Up to a 16 character name can be selected. Once a new sub-directory name is selected, press the YES/EDIT button.

d) Rotate the Data Knob until the cursor is positioned on the menu option "SAVE?". Press the YES/EDIT button. The LCD will indicate that the new sub-directory has been created.

To save a file under a sub-directory:

a) Rotate the Data Knob until the cursor is positioned on the menu option "SELECT FOLDER". Press the YES/EDIT button.

b) Rotate the Data Knob until the cursor is positioned on a sub-directory folder name. *Note: A "+" will appear on all sub-directory names.* To open the sub-directory, press the Data Knob. To close the sub-directory, position the cursor on the "+", then press the Data Knob. Press the YES/EDIT button.

c) Proceed to step 7.

7) Rotate the Data Knob until the cursor is positioned on the menu option "SAVE?" Press the YES/EDIT button. The sequence is now saved to the Compact Flash Card as the filename selected. The LCD will indicate that the file is saved. Press any of Vista's control buttons to proceed.

To record an additional track, turn the Data Knob clockwise until the cursor is on the menu option "ADD TRACK?". Press the YES/EDIT button. Vista will return to the recording mode. To record another track, repeat steps 3 thru 7 above.

8) To exit the recording mode, rotate the Data Knob until the cursor is positioned on the menu option "DONE?". Press the YES/EDIT button.

9) To playback or record a new sequence, press the REC or the PLAY button on Vista's panel, or, rotate the Data Knob until the cursor is positioned on a selected menu option.

a) Menu Option: <u>RETURN TO ENSEMBLE</u> will return Vista to the Main Screen.

b) Menu Option: <u>LOAD SONG FILE</u> will load a MIDI sequence for playback or to record additional MIDI tracks.

c) Menu Option: <u>DELETE SONG FILE</u> will erase an existing MIDI sequence from the Compact Flash Card.

d) Menu Option: <u>NEW SONG</u> will enter Sequencer Record mode to record a MIDI sequence.

b) **Sequence Playback**

1) Press one of the three sequencer control buttons, REC – STOP/CONT – PLAY, on the Vista's top panel. The cursor LED will light and the LCD will prompt for an additional action.

2) To playback a MIDI sequence, either rotate the Data Knob until the cursor appears on the menu option "LOAD SONG FILE" or press the PLAY button on the Vista's top panel. *Note: If using the Data Knob, once the cursor is positioned on the menu option "LOAD SONG FILE", press the YES/EDIT button.*

3) Rotate the Data Knob and position the cursor on a MIDI file. Press the YES/EDIT button on the Vista's top panel. *Note: A "+" will appear on all sub-directories. To open the sub-directory, position the cursor on the sub-directory name then press the Data Knob. To close the sub-directory, position the cursor on the "+", then press the Data Knob.*

4) The LCD will indicate that the MIDI file is loading. Once the MIDI file is loaded, the playback screen will appear on the LCD.

5) To start playback, press the PLAY button on the Vista's top panel.

While a MIDI sequence is playing the master volume of the Ensemble or AUX C MIDI ports and overall Tempo can be adjusted.

a) Rotate the Data Knob until the cursor is positioned on the parameter that requires adjustment.

b) Press then rotate the Data Knob to adjust selected parameter.

c) Press the Data Knob once the selected parameter has been adjusted.

d) Repeat steps a thru c above to adjust another parameter.

Tracks that have MIDI data recorded on them can be "muted" or turned off during playback. The LED's on the Vista's top panel refer to the Vista's recording tracks. An unlit LED indicates that the track is "muted" or turned off. A lit LED indicates that the track is on. *Note: Tracks that do not have any MIDI data recorded on them can't be turned on or off.* To turn on/off a MIDI track press a track button below the associated MIDI port name.

6) To stop playback, press the STOP/CONT button.

7) To exit the sequence mode, rotate the Data Knob until the cursor is on the menu option "DONE?". Press the YES/EDIT button on the Vista's top panel.

8) To playback or record a new sequence press the REC or the PLAY button on the Vista's top panel, or, rotate the Data Knob until the cursor is positioned on a selected menu option.

   a) Menu Option: <u>RETURN TO ENSEMBLE</u> will return the Vista™ to the Main Screen.

   b) Menu Option: <u>LOAD SONG FILE</u> will load a MIDI sequence for playback or to record additional MIDI tracks.

   c) Menu Option: <u>DELETE SONG FILE</u> will erase an existing MIDI sequence from the Compact Flash card.

   d) Menu Option: <u>NEW SONG</u> will enter Sequencer Record mode to record a MIDI sequence.

6. **Capture File Save/Load/Delete**

Several capture file utility functions have been incorporated into the Vista software. The utility functions allow the saving and/or loading of capture memory data, piston configuration data and MIDI setting data directly to the Compact Flash card. In addition, specific individual capture memory positions can be saved and capture files can be deleted from the Compact Flash card.

To **LOAD** capture memory data into the organ from the Vista:

1) Press the FUNC button on the Vista's top panel. The cursor LED will light and the LCD will enter a master menu.

2) Rotate the Data Knob until the flashing cursor is positioned on the menu option "LOAD CAPTURE FILE". Press the YES/EDIT button on the Vista's top panel.

3) Rotate the Data Knob and position the cursor on a capture file. Press the YES/EDIT button on the Vista's top panel. *Note: A "+" will appear on all sub-directories. To open the sub-directory, position the cursor on the sub-directory name then press the Data Knob. To close the sub-directory, position the cursor on the "+", then press the Data Knob.*

4) The LCD will indicate that the capture file is loading as well as indicate MIDI data transmit status.

To **SAVE** capture memory from the organ into the Vista:

1) Press the FUNC button on the Vista's top panel. The cursor LED will light and the LCD will enter a master menu.

2) Rotate the Data Knob until the flashing cursor is positioned on the menu option "SAVE CAPTURE FILE". Press the YES/EDIT button on the Vista's top panel.

3) The LCD prompts to select which capture data to save:

   ALL: Saves all capture data including capture memories, piston configuration, MIDI settings, and Crescendo/Tutti B settings.

   MEMORY (1 to 99): Saves an individual capture memory position.

PISTON CONFIG: Saves piston configuration, MIDI settings, and Crescendo/Tutti B settings.

Rotate the Data Knob until the flashing cursor is positioned on the capture option you want to save. *If the cursor is positioned on the Memory selection press the Data Knob, the data LED will light. Rotate the Data Knob until the desired capture memory position is displayed.* Press the YES/EDIT button on the Vista's top panel.

4) Vista will automatically select a default filename for the capture memory file. The filename is displayed on the top line of the LCD. To change the filename, rotate the Data Knob until the cursor is on the menu option "RENAME?". Press the YES/EDIT button. Use the Data Knob to change the filename. *Note: When the cursor LED is lit, the Data Knob will move between characters. When the data LED is lit, the individual character is changed.* Up to a 16 character filename can be selected. Once a new filename is selected, press the YES/EDIT button.

Vista has the ability to create and save files under sub-directory folders on the Compact Flash Card. Proceed to step 5 if a sub-directory is not required. To create a sub-directory:

a) Rotate the Data Knob until the cursor is positioned on the menu option "SELECT FOLDER". Press the YES/EDIT button.

b) Rotate the Data Knob until the cursor is positioned on the menu option "CREATE NEW FOLDER". Press the YES/EDIT button.

c) Line 1 of the LCD will display a sub-directory name called "New Folder". To rename the folder, rotate the Data Knob until the cursor is positioned on the menu option "RENAME?". Press the YES/EDIT button. Use the Data Knob to change the sub-directory name. *Note: When the cursor LED is lit, the Data Knob will move between characters of the sub-directory name. When the data LED is lit, the individual character is changed.* Up to a 16 character name can be selected. Once a new sub-directory name is selected, press the YES/EDIT button.

d) Rotate the Data Knob until the cursor is positioned on the menu option "SAVE?". Press the YES/EDIT button. The LCD will indicate that the new sub-directory has been created.

To save a file under a sub-directory:

a) Rotate the Data Knob until the cursor is positioned on the menu option "SELECT FOLDER". Press the YES/EDIT button.

b) Rotate the Data Knob until the cursor is positioned on a sub-directory folder name. *Note: A "+" will appear on all sub-directory names.* To open the sub-directory, press the Data Knob. To close the sub-directory, position the cursor on the "+", then press the Data Knob. Press the YES/EDIT button.

c) Proceed to step 5.

5) Rotate the Data Knob until the cursor is positioned on the menu option "SAVE?" Press the YES/EDIT button. The LCD will indicate that it is

receiving data from the organ. In addition, the console controller will also indicate that the organ is transmitting data. The transfer status is displayed on the Vista's LCD. When the capture data transfer is complete, the Vista's LCD will return to the master menu. A copy of the organ's capture data is now saved in the data file on the Compact Flash card.

To **DELETE** a capture file on the Compact Flash:

1) Press the FUNC button on the Vista's top panel. The cursor LED will light and the LCD will enter a master menu.

2) Rotate the Data Knob until the flashing cursor is positioned on the menu option "DELETE CAPTURE FILE". Press the YES/EDIT button on the Vista's top panel.

3) Rotate the Data Knob and position the cursor on a capture file. Press the YES/EDIT button on the Vista's top panel. *Note: A "+" will appear on all sub-directories. To open the sub-directory, position the cursor on the sub-directory name then press the Data Knob. To close the sub-directory, position the cursor on the "+", then press the Data Knob.*

4) The LCD will indicate which capture file was selected and ask to confirm the deletion of the file. Press the YES/EDIT button on the Vista's top panel to delete the file or press the PRESET button or Data Knob to escape without deleting the file. The Vista's LCD will return to the master menu.

IV.   ENSEMBLE VOICE ASSIGNMENTS

#	Voice	#	Voice	#	Voice	#	Voice
1	Grand Piano	33	Acoustc Bass	65	Soprano Sax	97	Rain
2	Bright Piano	34	Finger Bass	66	Alto Sax	98	Soundtrack
3	El Gnd Piano	35	Picked Bass	67	Tenor Sax	99	Crystal
4	Honky-Tonk	36	Frtless Bass	68	Baritone Sax	100	Atmosphere
5	El Piano 1	37	Slap Bass 1	69	Oboe	101	Brightness
6	El Piano 2	38	Slap Bass 2	70	English Horn	102	Goblins
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	Echoes
8	Clavinet	40	Synth Bass 2	72	Clarinet	104	Sci-Fi
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Trem String	77	Blown Bottle	109	Kalimba
14	Xylophone	46	Pizz String	78	Shakuhachi	110	Bag Pipe
15	Tubular Bell	47	Orch Harp	79	Whistle	111	Fiddle
16	Dulcimer	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Orgn	49	String En 1	81	Lead1-sqr	113	Tinkle Bell
18	Percuss Orgn	50	String En 2	82	Lead2-saw	114	Agogo
19	Rock Organ	51	Synth Str 1	83	Lead3-calli	115	Steel Drums
20	Organ	52	Synth Str 2	84	Lead4-Chiff	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead5-chrng	117	Taiko Drum
22	Accordion	54	Voice Oohs	86	Lead6-Voice	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead7-5ths	119	Synth Drum
24	Tango Accord	56	Orch Hit	88	Lead8-bass+	120	Revrs Cymbal
25	Ac Guitr-nyl	57	Trumpet	89	Fantasia	121	Fret Noise
26	Ac Guitr-stl	58	Trombone	90	Warm	122	Breth Noise
27	El Guitr-jaz	59	Tuba	91	Polysynth	123	Seashore
28	El Guitr-Cln	60	Muted Trmpt	92	Choir	124	Bird Tweet
29	El Guitr-Mut	61	French Horn	93	Bowed	125	Phone Ring
30	Ovrdr Guitar	62	Brass Sect	94	Metallic	126	Helicopter
31	Distor Guitr	63	Syn. Brass 1	95	Halo	127	Applause
32	Guitar Harm	64	Syn. Brass 2	96	Sweep	128	Gunshot

129	32 Violone	161	1 1/7 Septim	193	8 Musette	225	Bugle
130	16 Diapason	162	1 Fife	194	8 Musette+Tr	226	Bugle + Trm
131	16 Diaphone	163	Zimbel III	195	8 Krumet	227	Strng Ensmbl
132	16 Gamba	164	Cymbale III	196	8 Krumet+Trm	228	Cello Ensmbl
133	16 Bourdon	165	Mixture IV	197	8 CorAnglais	229	8va Violin
134	16 Quintaden	166	Grand Mix IV	198	8 CorAng+Trm	230	S Piano 16-4
135	10 2/3 Quint	167	Sesquialt II	199	8 French Hrn	231	Piano 16
136	8 Principal	168	Sesq II+Trm	200	8 Fr Horn+Tr	232	Harpsi 8-4
137	8 Princ+Trem	169	Cornet V	201	8 Clarinet	233	Harpsi 16-8
138	8 Englsh Dia	170	Cornet V+Tr	202	8 Clarint+Tr	234	Vibraharp B
139	Eng Dia+Trm	171	32 Posaune	203	8 Schalmei	235	Chrysoglott
140	8 Bourdon	172	16 Posthorn	204	8 Schalmi+Tr	236	Orch Bells
141	8 Bourd+Trem	173	16 Posaune	205	Vox Humana8A	237	Wood Harp 8
142	8 Quintadena	174	16 Tuba	206	Vox Humana8B	238	Wood Harp 4
143	Quntadena+Tr	175	16 C Trumpet	207	4 Klarine	239	Marimba
144	8 Gedackt	176	16 Clarinet	208	4 Clarion	240	Chimes
145	Gedackt+Trm	177	16 Clarnt+Tr	209	4 Schalmei	241	Carillon
146	8 Harm Flute	178	16 Dulzian	210	4 Schalmi+Tr	242	Handbells
147	Harm Flt+Trm	179	16 Rankett	211	2 Zink	243	Bell Tree
148	8 Viole Cel	180	16 Musette	212	Organ – MF	244	Snare Roll
149	8 Flute Cel	181	16 Muset+Tr	213	Organ – F	245	Cymbal Roll
150	8 Dulcin Cel	182	16 Vox Hum A	214	Organ – FF	246	Crash Cymbal
151	5 1/3 Quinte	183	16 Vox Hum B	215	Organ – FFF	247	Thunder
152	5 1/3 Quint	184	8 Span Trpt	216	8-4 Flute	248	Cannon
153	4 Octave	185	8 Posthorn	217	8-4 Flt+Trm	249	Ac Bass Sub
154	4 Englsh Oct	186	8 Tuba	218	8-2 Flute	250	FngrBass Sub
155	4 Harm Flute	187	8 Trumpet	219	Tibia 8	251	PckdBass Sub
156	4 Harm Fl+Tr	188	8 Trmpt+Trm	220	Tibia-Vox 8	252	FrtlessB Sub
157	4 Viole	189	8 Trompette	221	Tib/Vox 8-4	253	SlapBass Sub
158	4 Viole+Trm	190	8 Cromorne	222	Tiba 16-8-4	254	SynBass1 Sub
159	2 Piccolo	191	8 Cromorm+Tr	223	Brass Ensmbl	255	SynBass2 Sub
160	1 1/3 Larigo	192	8 Rankett	224	Brass En+Trm	256	MIDI OFF

DRUM SET TABLE (MIDI Channel 10)

	Prog 257: (Standard)	Prog 258: (Room)	Prog 259: (Power)	Prog 260: (Electric)
27 - D#1	High Q			
28 - E1	Slap			
29 - F1	Scratch Push			
30 - F#1	Scratch Pull			
31 - G1	Sticks			
32 - G#1	Square Click			
33 - A1	Metronome Click			
34 - A#1	Metronome Bell			
35 - B1	Kick Drum 2			
36 - C2	Kick Drum 1		Power Kick	
37 - C#2	Side Stick			
38 - D2	Snare Drum 1		Gated Snare	
39 - D#2	Hand Clap			
40 - E2	Snare Drum 2			Gated Snare
41 - F2	Low Floor Tom	Room Low Tom 2	Room Low Tom 2	Electric Low Tom 2
42 - F#2	Closed Hi Hat			
43 - G2	High Floor Tom	Room Low Tom 1	Room Low Tom 1	Room Low Tom 1
44 - G#2	Pedal Hi Hat			
45 - A2	Low Tom	Room Mid Tom 2	Room Mid Tom 2	Room Mid Tom 2
46 - A#2	Open Hi Hat			
47 - B2	Low-Mid Tom	Room Mid Tom 1	Room Mid Tom 1	Room Mid Tom 1
48 - C3	Hi-Mid Tom	Room Hi Tom 2	Room Hi Tom 2	Room Hi Tom 2
49 - C#3	Crash Cymbal 1			
50 - D3	High Tom	Room Hi Tom 1	Room Hi Tom 1	Room Hi Tom 1
51 - D#3	Ride Cymbal 1			
52 - E3	Chinese Cymbal			Reverse Cymbal
53 - F3	Ride Bell			
54 - F#3	Tambourine			
55 - G3	Splash Cymbal			
56 - G#3	Cowbell			
57 - A3	Crash Cymbal 2			
58 - A#3	Vibraslap			
59 - B3	Ride Cymbal 2			
60 - C4	Hi Bongo			
61 - C#4	Low Bongo			
62 - D4	Mute Hi Conga			
63 - D#4	Open Hi Conga			
64 - E4	Low Conga			
65 - F4	High Timbale			
66 - F#4	Low Timbale			
67 - G4	High Agogo			
68 - G#4	Low Agogo			
69 - A4	Cabasa			
70 - A#4	Maracas			
71 - B4	Short Whistle			
72 - C5	Long Whistle			
73 - C#5	Short Guiro			
74 - D5	Lone Guiro			
75 - D#5	Claves			
76 - E5	Hi Wood Block			
77 - F5	Low Wood Block			
78 - F#5	Mute Cuica			
79 - G5	Open Cuica			
80 - G#5	Mute Triangle			
81 - A5	Open Triangle			
82 - A#5	Shaker			
83 - B5	Jingle Bell			
84 - C6	Belltree			
85 - C#6	Castanets			
86 - D6	Mute Surdo			
87 - D#6	Open Surdo			
88 - E6				

	Prog 261: (TR-808)	Prog 262: (Brush)	Prog 263: (Orchestra)	Prog 264: (SFX)
27 - D#1			Closed Hi Hat	
28 - E1			Pedal Hi Hat	
29 - F1			Open Hi Hat	
30 - F#1			Ride Cymbal	
31 - G1				
32 - G#1				
33 - A1				
34 - A#1				
35 - B1				
36 - C2	808 Bass Drum			
37 - C#2				
38 - D2	808 Snare Drum	Brush Tap	Snare Drum 2	
39 - D#2		Brush Slap	Castanets	High Q
40 - E2		Brush Swirl	Snare Drum 2	Slap
41 - F2	808 Low Tom 2		Timpani F	Scratch Push
42 - F#2	808 Closed Hi Hat		Timpani F#	Scratch Pull
43 - G2	808 Low Tom 2		Timpani G	Sticks
44 - G#2	808 Closed Hi Hat		Timpani G#	Square Click
45 - A2	808 Mid Tom		Timpani A	Metronome Click
46 - A#2	808 Open Hi Hat		Timpani A#	Metronome Bell
47 - B2	808 Mid Tom 1		Timpani B	Guitar Slide
48 - C3	808 Hi Tom 2		Timpani C	
49 - C#3	808 Cymbal		Timpani C#	
50 - D3	808 Hi Tom 1		Timpani D	
51 - D#3			Timpani D#	
52 - E3			Timpani E	
53 - F3			Timpani F	
54 - F#3				
55 - G3				
56 - G#3				
57 - A3				
58 - A#3				Applause
59 - B3				
60 - C4				
61 - C#4				
62 - D4	808 High Conga			
63 - D#4	808 Mid Conga			
64 - E4	808 Low Conga			
65 - F4				
66 - F#4				
67 - G4				
68 - G#4				
69 - A4				
70 - A#4				Helicopter
71 - B4				
72 - C5				Gun Shot
73 - C#5				
74 - D5				
75 - D#5				
76 - E5				
77 - F5				
78 - F#5				Birds
79 - G5				Rain
80 - G#5				
81 - A5				Wind
82 - A#5				Sea Shore
83 - B5				Stream
84 - C6				
85 - C#6				
86 - D6				
87 - D#6				
88 - E6			Applauses	

V.   MIDI IMPLEMENTATION CHART

FUNCTION		TRANSMITTED	RECEIVED
Basic Channel	Default	1 – 16	1 – 16
	Changed	1 – 16	1 – 16
Mode	Default	3	3
	Messages	X	X
	Altered	X	X
Note Number		O (1 – 127)	O (1 – 127)
Velocity	Note ON	9nH, v = 1 – 127	9nH, v = 1 – 127
	Note OFF	9nH, v = 0	9nH, v = 0
Aftertouch	Keys	X	X
	Channels	X	X
Pitch Bend		O	O
Control Change	0 (bank select)	O	O
	7 (volume)	O	O
	64 (sustain)	O	O
Program Change		O (1 – 127)	O (1 – 127)
System Exclusive		O	O
System Common		X	X
System Real Time		X	X
Aux Messages		X	X

Mode 1: Omni On, Poly   Mode 2: Omni On, Mono   O: Yes
Mode 3: Omni Off, Poly   Mode 4: Omni Off, Mono   X: No

Warning: This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been type tested and found to comply with the limits for a Class B Computing Device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. Should this equipment cause interference to radio communications, the user at his own expense will be required to take whatever measures may be necessary to correct the interference. Whether this equipment actually causes the interference to radio communications can be determined by turning the equipment off and on. The user is encouraged to attempt to correct the interference by one or more of the following measures:

Reorient the receiving antenna.
Relocate the device with respect to the receiver.
Move the device away from the receiver.
Plug the device into a different electrical outlet, so that the device and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio technician for additional suggestions.

CE mark shows compliance with the EMC Directive.