# Specifications

**Model:** Sound Canvas SC-8820  
(General MIDI System / GS Format)

- **Number of parts:** 32  
- **Maximum Polyphony:** 64 voices
- **Internal Sounds**  
  - Sound Maps: 4 (SC-8820, SC-88Pro, SC-88, SC-55)
- **Preset Sounds:** 1608
- **Drum sound sets:** 63
- **User sounds:** 63
- **User drum sound sets:**
- **Effects**  
  - Reverb (8 types)
  - Chorus (8 types)
  - Delay (10 types)
- **Insertion Effect (64 types)**
- **Display**  
  - Power indicator
  - USB indicator
  - Part level indicator (PART A, PART B)
- **Connectors**  
  - MIDI connectors (IN 1, OUT 1)
  - Audio Input jack (L, R)
  - Audio Output jack (L, R)
  - Headphones jack
  - Serial connector
- **Power Supply**  
  - DC 9V (AC Adaptor)
- **Power Consumption**  
  - 400 mA
- **Dimensions**  
  - 203 (W) x 159 (D) x 35 (H) mm  
  - 8 (W) x 6-1/4 (D) x 1-3/8 (H) inches
- **Weight**  
  - 0.4 kg  
  - 14 oz
- **Accessories**  
  - AC ADAPTOR
  - AC-120C (#00905767)
  - AC-230C (#01018312)
  - ACB-230E (#01458278)
  - ACB-240A (#12449549)
  - Owner's manual Japanese (#71569576)
  - English (#71569587)
  - CD-ROM DRIVER
  - English (#71569578)

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## LOCATION OF CONTROLS / パネル配置図

<table>
<thead>
<tr>
<th>NO.PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
<th>Q'TY</th>
</tr>
</thead>
<tbody>
<tr>
<td>02011490</td>
<td>TOP CASE</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>02011823</td>
<td>BOTTOM CASE</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>02011834</td>
<td>DISPLAY COVER</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>02018089</td>
<td>REAR PANEL</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>22495521</td>
<td>BUTTON</td>
<td>246-521</td>
<td>1</td>
</tr>
<tr>
<td>13129369</td>
<td>PUSH SWITCH</td>
<td>SPUN19430A</td>
<td>1</td>
</tr>
<tr>
<td>01340412</td>
<td>P.KNOB</td>
<td>SF.A.BK/LC</td>
<td>1</td>
</tr>
<tr>
<td>13289029</td>
<td>9MM ROTARY POTENTIOMETER</td>
<td>RK0271214 10KDN12 (W/SWITCH)</td>
<td>1</td>
</tr>
<tr>
<td>22495607</td>
<td>R.BUTTON</td>
<td>246-607</td>
<td>1</td>
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<tr>
<td>13119710</td>
<td>SWITCH</td>
<td>SHGPFM</td>
<td>1</td>
</tr>
<tr>
<td>02019595</td>
<td>SLIDE SWITCH</td>
<td>SSSF124-S06N0</td>
<td>1</td>
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<tr>
<td>13429626</td>
<td>CONNECTOR (SP-DIN)</td>
<td>M-S2 M1707</td>
<td>2</td>
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<tr>
<td>01124845</td>
<td>RCA/PIN JACK</td>
<td>YKC21-3105 WITH FRAME GROUND</td>
<td>2</td>
</tr>
<tr>
<td>13444933</td>
<td>3.5MM JACK</td>
<td>STEREO YKB21-3130</td>
<td>1</td>
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<tr>
<td>13449720</td>
<td>DC JACK</td>
<td>HEC2305-01-250</td>
<td>1</td>
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<tr>
<td>01459945</td>
<td>USB CONNECTOR</td>
<td>YKF45-0002</td>
<td>1</td>
</tr>
<tr>
<td>00348490</td>
<td>LED (RED)</td>
<td>SLR-325VCT31</td>
<td>1</td>
</tr>
<tr>
<td>00566745</td>
<td>LED (GREEN)</td>
<td>SLR-325MCT31</td>
<td>6</td>
</tr>
<tr>
<td>01787045</td>
<td>LED (ORANGE)</td>
<td>SLR-325DCT31</td>
<td>3</td>
</tr>
</tbody>
</table>

![Roland SC-8820 Diagram](image-url)
### EXPLODED VIEW / 分解图

<table>
<thead>
<tr>
<th>No.</th>
<th>PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>02011490</td>
<td>TOP CASE</td>
<td>FPC BNCD-P=1.25-K-10-90</td>
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<td>2</td>
<td>02011834</td>
<td>DISPLAY COVER</td>
<td>NRP-345 BLACK</td>
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<td>3</td>
<td>02120778</td>
<td>FPC CABLE</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>40016590</td>
<td>NYLON RIVET</td>
<td></td>
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<tr>
<td>5</td>
<td>02018090</td>
<td>PANEL BOARD HOLDER</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>71565345</td>
<td>PANEL BOARD ASSY</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>22495607</td>
<td>R-BUTTON</td>
<td>249-607</td>
</tr>
<tr>
<td>8</td>
<td>02124167</td>
<td>ISOLATOR LED MASK</td>
<td>249-521</td>
</tr>
<tr>
<td>9</td>
<td>22495521</td>
<td>BUTTON</td>
<td>(EXG)</td>
</tr>
<tr>
<td>10</td>
<td>02018089</td>
<td>REAR PANEL</td>
<td>SF-A BLK-LCG</td>
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<tr>
<td>11</td>
<td>01340412</td>
<td>P R-KNOB</td>
<td>D12 T2 ZULCN XCK020</td>
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<td>12</td>
<td>02011823</td>
<td>BOTTOM CASE</td>
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<td>13</td>
<td>71560778</td>
<td>MAIN BOARD ASSY</td>
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<tr>
<td>14</td>
<td>02018090</td>
<td>PANEL BOARD HOLDER</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>71560778</td>
<td>FOOT</td>
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</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>PART CODE</th>
<th>PART NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>40011312</td>
<td>SCREW M3X8</td>
<td>BNDING TAPHITE P FE BZC</td>
</tr>
<tr>
<td>17</td>
<td>40011490</td>
<td>SCREW M3X6</td>
<td>PAN MACHINE W/SW BZC</td>
</tr>
</tbody>
</table>

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**Diagram Notes:**

- Components are labeled with corresponding numbers and codes.
- Diagram shows various parts and their assembly.
- Descriptions provide specific details for each part.
<table>
<thead>
<tr>
<th>PARTS LIST / パーツリスト</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SAFETY PRECAUTIONS:</strong></td>
</tr>
<tr>
<td>The parts marked * have</td>
</tr>
<tr>
<td>safety-related characteristics. Use only listed parts for replacement.</td>
</tr>
<tr>
<td>Use only listed parts for</td>
</tr>
<tr>
<td>replacement.</td>
</tr>
<tr>
<td><strong>NOTE:</strong> The parts marked # are standard parts. Note: * unless noted.**</td>
</tr>
</tbody>
</table>

### 1. DIODE / ディオード

- **00567545 SLR-325C7T1**
  - LED (RED)
  - LED10 on Panel
- **00567545 SLR-325C7T1**
  - LED (GREEN)
  - LED1-L0, LED5-L0, LED7 on Panel
- **0176650 SLR-325C7T1**
  - LED (ORANGE)
  - LED4, LED6 on Panel
- **00573782 SB0-3P-70**
  - SCHOTTKY DIODE
  - D11 on Main
- **00367942 U19C4K(T817)**
  - SCHOTTKY DIODE
  - D10 on Main
- **15121312 Q2050-78-2 B**
  - ARRAY DIODE
  - D34, D35 on Main

### 2. RESISTOR / レジスター

- **00567621 R000PT 0-14 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **01100562 R0017GT 047OHM 1/2W**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567112 R000PT 0-71 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00566984 R000PT 3-30 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567014 R000PT 6-81 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567024 R000PT 4-72 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00676950 R000PT 2-22 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00566718 R000PT 7-15 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00566716 R000PT 10-2 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **15419701 R0110P 10-3 D 10KOHM (CHP)**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00570232 R000PT 10-1 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567021 R000PT 3-32 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **01101612 R0110P 33-2D 33KOHM (CHP)**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567023 R000PT 23-2 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567025 R000PT 7-7 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **01100702 R000PT 10-5 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567026 R000PT 22-2 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **15419705 R0110P 10-2D 10KOHM (CHP)**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 2-74 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567028 R000PT 1-4 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567026 R000PT 22-1 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 7-10 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567028 R000PT 22-3 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 1-7 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567028 R000PT 22-1 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 1-4 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567026 R000PT 22-2 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 1-7 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567028 R000PT 22-3 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **15419705 R0110P 10-2D 10KOHM (CHP)**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 1-4 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567026 R000PT 22-2 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567027 R000PT 1-7 J**
  - MTL FILM RESISTOR
  - Chip on Panel
- **00567028 R000PT 22-3 J**
  - MTL FILM RESISTOR
  - Chip on Panel

### 3. P.C.B. ASSY / パレス・ボード・アッセイ

- **01585540 PANEL BOARD ASSY**
  - 15607788 MAIN BOARD ASSY (EXD)

### 4. POTENTIOMETER / ポテンショメーター

- **13365009 RP082174A 128K2B IO SWITCH**
  - SM 80 IO POTENTIOMETER
  - VR1 on Main

### 5. CRYSTAL / クリスタル

- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
- **01739683 ECH1H123C2V**
  - CERAMIC CAPACITOR
  - Chip on Panel
IDENTIFYING VERSION NUMBER / バージョンナンバーの確認方法

Version Displaying Procedure
1. Entering the version display mode
   - Hold down Preview and switch power on.
   - While the Map key is lit, Preview once, then press the Map key.

2. CPU ROM version display
   Immediately after the unit is placed in the version display mode by the operation in step 1, the CPU ROM version is displayed. The Power and USB indicators are lit, and Part A and Part B of the PART LEVEL indicator denote the major number and minor number, respectively, in 4 bits.

   For example, Ver 1.02 is indicated as follows:

   Press the MAP key to shift to program ROM version display.

3. Program ROM version display
   The Power indicator is lit and the PART LEVEL indicator denotes the version. For example, Ver 1.05 is indicated as follows:

   Press the MAP key to return to CPU ROM version display.

4. UIPC version display
   The USB indicator is lit and the PART LEVEL indicator denotes the version. For example, Ver 2.01 is indicated as follows:

   Press the MAP key to shift to UIPC version display.

5. Version Displaying Procedure
   1. バージョン表示モードに入れる
      - Previewを押しながら電源を入れます。
      - Mapキーが点灯している間に、Previewを1回押して、その上でMapキーを押してください。

   2. CPU内ROMバージョン表示
      1. 操作によってバージョン表示モードに入ります。CPU内のROMバージョンを表示しています。バークトイントロディクターとUSB接続インターキータが点灯し、パートレベルインジケータがバージョンを表示しています。例えば、Ver 1.05なら以下のようになります。

         Press the MAP keyでプログラムROMバージョン表示に移ります。

   3. プログラムROMバージョン表示
      バークトイントロディクターが点灯し、パートレベル・インジケータがバージョンを表示しています。例えば、Ver 1.05なら以下のようになります。

   4. UIPCバージョン表示
      USB接続インターキータが点灯し、パートレベル・インジケータがバージョンを表示しています。例えば、Ver 2.01なら以下のようになります。

         Press the MAP keyでUIPCバージョン表示に移ります。

   注: ighthは消灯、ighthは点灯、*は点滅を表示します。

         は音量ツマミ。

VERSION UP / バージョンアップの方法

Items to Be Prepared
- Programmable controller (e.g. MC-80)
- Update disks (#17048429)

SMF disk (2DD) containing Update Data: 2 disks (2DD x 4) / アップデート用SMFデータディスク (2DD x 4枚)

Disk #1 Disk #2 Disk #3 Disk #4
1. Update Data (1 or 4) Update Data (2 or 4) Update Data (3 or 4) Update Data (4 or 4)
ERASE MLD SC682 08.MLD SC682 16.MLD SC682 24.MLD
SC682 17.MLD SC682 09.MLD SC682 18.MLD SC682 26.MLD
SC682 01.MLD SC682 10.MLD SC682 19.MLD SC682 27.MLD
SC682 02.MLD SC682 11.MLD SC682 20.MLD SC682 28.MLD
SC682 20.MLD SC682 03.MLD SC682 21.MLD SC682 29.MLD
SC682 04.MLD SC682 12.MLD SC682 30.MLD
SC682 05.MLD SC682 13.MLD
SC682 06.MLD SC682 15.MLD
SC682 07.MLD

- MIDI cable
- MIDIケーブル

Connection Method
- Connect MIDI OUT of the PLC and MIDI IN of the SC-8820 by the MIDI cable.

- 搭載方法
  - プログラマのMIDI OUTとSC-8820のMIDI INをMIDIケーブルにて接続します。
UPDATE procedure
1. Hold down Preview and switch power on.
2. While the Map key is lit, press Preview three times, then press the Map key.
   This lights up all the Level meters.

2. CPU ROM version display
Immediately after the unit is placed in the test mode by the operation in step 1, the CPU ROM version is displayed. The Power and USB indicators are lit, and Part A and Part B of the PART LEVEL indicator denote the major number and minor number, respectively, in 4 bits.

For example, Ver 1.02 is indicated as follows:

[INST MAP] blinks to indicate that the unit can shift to the next test item.
Press the MAP key to proceed to the next test.

2. Map Key 若点灯すると、Part A の 4 つの LED が点灯します。

3. Program ROM version display
The Power indicator is lit and the PART LEVEL indicator denotes the version. For example, Ver 2.01 is indicated as follows:

[INST MAP] blinks to indicate that the unit can shift to the next test item.
Press the MAP key to proceed to the next test.

4. UIPC version display
The USB indicator is lit and the PART LEVEL indicator denotes the version. For example, Ver 2.01 is indicated as follows:

[INST MAP] blinks to indicate that the unit can shift to the next test item.
Press the MAP key to proceed to the next test.

5. Device test
The flash ROM, XP chip, wave ROM and LSP chip are tested.
If all are OK, [Power] turns on as shown below.

For example, if the flash ROM is not good, the following display is provided.

If the result is not good, you can proceed to the next test by pressing the MAP key twice.

Error Indications during Updating
Device error
Erase failure
Write failure
Checksum error
MIDI error

Note: O Denotes off, I on, * blink.

TEST MODE / テストモード
The test mode of the SC-8820 may be executed in either of the following two ways:
1. Executed on the SC-8820 alone.
2. The SC-8850 is used.

When the test mode is executed in the method “2. The SC-8850 is used”, the test results are displayed on the LCD for ease of identification.

1. Executed on the SC-8820 alone.

Note: In the diagrams, O denotes off, I on, and + blink. O denotes the potentiometer knob.

1. Entering the test mode

Set the computer switch on the rear panel to "Mac".
Hold down Preview and switch power on.
While the Map key is lit, press Preview twice, then press the Map key.
If all the PART LEDs blink as shown below, the computer switch setting is wrong. Restart from step 1.

2. SC-8820 単体で行う

（注）①は消灯、②は点灯、*は点滅を表します。

3. テストモードに入れる

・電源コンボネックスイッチを "Mac" に設定します。
・Hold down Preview and switch power on.
・While the Map key is lit, press Preview twice, then press the Map key.
・If all the PART LEDs blink as shown below, the computer switch setting is wrong. Restart from step 1.

SC-8820 のテストモード以下の 2 種類あり。

1. SC-8820 単体で行う
2. SC-8820 を使用して行う。

なお、「2. SC-8820 を使用して行う」でテストモードを実行した場合、LCD にテスト結果が表示される位置が変わりやすくなります。

1. SC-8820 単体で行う

（注）① は消点、② は点灯、* は点滅を表します。

SMF is finished and the four LED of PART B turn on.

UPDATE is complete when the transmission of the 32nd SMF is finished and the four LED of PART B turn on.

Erase failure
Write failure
Checksum error
MIDI error

Note: O Denotes off, I on, and * blink.

3. Program ROM バージョン表示
パワーオン/オフが点灯し、バートレール・インジケータが点滅をしています。例えば Ver 1.05 なら以下のようになります。

4. UIPC バージョン表示
USB 接続インジケータ点灯し、バートレール・インジケータが点滅をしています。例えば Ver 2.01 なら以下のようになります。

5. デバイステスト
Flash ROM, XP Chip, Wave ROM, LSP Chip のテストをします。
すべてが OK の場合は、以下のように [Power] が点灯します。
6. LED on/off check
This test is made to check whether the LEDs turn on and off properly. First, make sure that all the LEDs are off as shown below.

Pressing the Preview switch eliminates the LEDs one by one in due order, starting from the Map LED. The result is OK if all the LEDs have turned off. However, if several or no LEDs have turned off merely pressing the Preview switch once, the LED scan line has a problem (not good). Press the Map key to proceed to the next test.

7. MIDI check
This test is made to check MIDI IN and OUT. As soon as this test has started, only [USB] blinks as shown below.

8. Serial check
This test is made to check the computer switch and serial I/O. As soon as this test has started, [USB] blinks and one of the PART B indicator LEDs is lit as shown below.

9. Serial check
This test is made to check whether the SC-8820 sounds properly. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the left side.

10. Effect check
This test is performed to check the effect sounds. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is conducted to check whether the SC-8820 sounds properly. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is performed to check the effect sounds. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is conducted to check whether the SC-8820 sounds properly. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is performed to check the effect sounds. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is conducted to check whether the SC-8820 sounds properly. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is performed to check the effect sounds. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.

This test is conducted to check whether the SC-8820 sounds properly. As soon as this test has started, all the indicators are off. Pressing the Preview switch provides the following display and you hear a sine wave from the right side.

Also, the castanets sound as indicated below.
Pressing the Preview switch further places the unit in the Reverb (System Effect) test and provides the following display.

The reverberated sound periodical. Check whether the reverberation is as expected.

Further pressing the Preview switch returns to the Insertion Effect test.

This ends a series of tests. Switch power off.

2. SC-8850 is used.
   + Items to Be Prepared

1. SC-8850
2. MIDI cable

1. How to enter the test mode
   ① Connect the SC-8820 and SC-8850.
   ② Set the computer switch on the rear of the SC-8850 to "MIDI" and switch power on. (After this, the SC-8850 will never be operated.)
   ③ Set the computer switch on the rear of the SC-8820 to "Mac".
   ④ Hold down Preview and switch power on. While the Map key is lit, press Preview twice, then press the Map key.
   ⑤ If the LCD shows the following message, the computer switch setting of the SC-8820 may be wrong. Restart from step 2.

2. SC8850 to use the display
   ① SC-8850
2. MIDI ケーブル

1. テストモードへの入り方
   ① SC-8850 と SC-8820 を接続する。
   ② SC-8820 の Midi OUT と SC-8850 の Midi IN 1 を MIDI ケーブルで接続してください。

2. タスクモードに入ると
   SC-8850 の前面のコンピュータースイッチを E1・F1 の 2 オン設定で接続してください。
   Preview を押しながら電源を立ち上げます。
   SC-8850 の前面のコンピュータースイッチを E1・F1 の 2 オン設定で接続してください。
   Preview を押しながら電源を立ち上げます。
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3. CPU ROM version display
   Immediately after the unit is placed in the test mode by the operation in step 1, the CPU ROM version is displayed.

Press the MAP key to proceed to the next test.

3. Program ROM version display
   This display provides the version of the program ROM (16-Mb flash ROM).

Press the MAP key to proceed to the next test.

4. UIPC version display
   This display provides the version of the UIPC.

The above display denotes Version 1.00. Press the MAP key to proceed to the next test.

5. Device test
   The flash ROM, XP chip, wave ROM and LSP chip are tested. If all are OK, the following display is provided.

The above display denotes Version 1.00. Press the MAP key to proceed to the next test.

If the result is not good, you can proceed to the next test by pressing the MAP key twice.

6. LED on/off check
   This test is made to check whether the LEDs turn on and off properly. Since the LEDs of the SC-8820 must be checked, the following display is provided.

If nothing appears on the LCD, the computer switch setting of the SC-8850 may be wrong. Restart from step 2.

The above display denotes Version 1.01. Press the MAP key to proceed to the next test.

If the LCD shows the following message, the computer switch setting of the SC-8820 may be wrong. Restart from step 2.

Look at the SC-8820 LEDs and make sure that all LEDs are on. Pressing the Preview switch extinguishes the LEDs one by one in due order, starting from the Map LED. The result is OK if all the LEDs have turned off. However, if several or no LEDs have turned off by merely pressing the Preview switch once, the LED scan line has a problem (not good). Press the Map key to proceed to the next test.

The above display denotes Version 1.01. Press the MAP key to proceed to the next test.
7. MIDI check
   This test is made to check MIDI IN and OUT.

   **MIDI Test**
   MIDI IN, OUT のチェックです。

   当画面が表示されるまで、MIDI端子のアダプターを接続してから、MIDI OUT を MIDI ケーブルで接続してください。ま、MIDI が機能していることを確認してください。

   **MIDI Test**
   MIDI IN, OUT のチェックです。

   Pressing the Preview switch provides the following display,
   and you hear a sine wave from the left side. Check the volume and sound for any abnormality.
   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the right side. Check the volume and sound for any abnormality.
   Pressing the Preview switch further provides the following display,

   Pressing the Preview switch provides the following display,
   and you hear a sine wave from the left side. Check the volume and sound for any abnormality.
   Pressing the Preview switch again provides the following display,

   Pressing the Preview switch further provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,

   Pressing the Preview switch further provides the following display,

   Pressing the Preview switch provides the following display,
   and you hear a sine wave from the right side. Check the volume and sound for any abnormality.
   Pressing the Preview switch further provides the following display,

   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the right side. Check the volume and sound for any abnormality.
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   Pressing the Preview switch provides the following display,
   and you hear a sine wave from the left side. Check the volume and sound for any abnormality.
   Pressing the Preview switch again provides the following display,

   Pressing the Preview switch further provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
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   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,
   and now you hear a sine wave from the both sides. Check the volume and sound for any abnormality.
   Further pressing the Preview switch returns to the left side sound check.

   Pressing the Preview switch again provides the following display,
CURCUIT BOARD / 基板図
MAIN BOARD ASSY (71560778)

View from component side.

View from foil side.
PANEL BOARD ASSY (71565345)

View from component side.

View from foil side.
SC-8820 Address Map (Rev. 1.00)

**DRAM**
- 11FFFFFFh
- 0300000h (Not_Use)
- 0200000h (Reserved)
- 107FFFFh 4M-DRAM for Working
- 0000000h 16bit_Devices

**CS0**
- 03FFFFFh (Shadow)

**CS1**
- 07FFFFFh (Shadow)
- 0700000h (Not_Use)
- 06C0000h (Not_Use)
- 0680000h (Not_Use)
- 0640000h (Not_Use)
- 0600000h (Not_Use)
- 05C0000h (Not_Use)
- 0580000h UIIPC(1)
- 0540000h UIIPC(0)
- 0500000h LSP
- 0400000h (Reserved)

**CS2**
- 08FFFFFh (Shadow)
- 0800000h XP6 (Master)
- 0680000h 16M-Flash
- 0600000h 16M-Mask
- 05C0000h for SystemProgram Tone Parameter

**CS3**
- 0800000h 16bit_Devices
- 00C0000h 16bit_Devices
- 0000000h 16bit_Devices

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**4M-DRAM**
- 16M-Flash (56P-TSOOP)

**16M-MaskROM**
- (48P-TSOOP)

Reverse Bend

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MX23C1610RC-12@ (NIU)