Installing the VE-RD1

Always turn the unit off and unplug the power cord before attempting installation of the VE-RD1.

Remove only the specified screws.

To avoid the risk of damage to internal components that can be caused by static electricity, please carefully observe the following whenever you handle the board:

- When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors.
- When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors.

1. With a screwdriver, unscrew the four corner screws of the center LCD cover on the front of the A-90, and remove the LCD cover.
   * Please take care not to touch the LCD (liquid crystal display) inside.
   * Do not touch any of the printed circuit pathways or connection terminals.

2. Connect the board holder as shown on the diagram.

3. Securely insert the board’s connector into the connector in the A-90. At this point, the three board holder pins should be protruding through the board’s three holes.
   * Never use excessive force when installing the VE-RD1. If it doesn’t fit properly on the first attempt, remove the board and try again.

4. Using the locking tool included with the board, turn the board holder clockwise just 1/4 of a turn, and the board will be fixed to the unit.
   * When circuit board installation is complete, double-check your work.

5. Finally, attach the LCD cover.

If you ever need to remove the board, after turning off power to the A-90, remove the board by reversing the order of the steps used to install the board.
To listen to a Demo Songs

To play Demo Songs stored in the VE-RDI, do as follows.

1. Press the PGM C/HANGE and AUX2 buttons in PARAMETER SELECt simultaneously.
2. Select a demo song you wish to hear using the SONG SELECT buttons in SEQUENCER CONTROL.
3. Press the START/STOP button in SEQUENCER CONTROL to start playing the song.
4. To stop playing, press the START/STOP button again.
5. Press the EXIT button in DATA ENTRY to return to the previous mode before playing the demo song.

*All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.
*No data for the music that is played will be output from MIDI OUT.

### Patch List

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<tr>
<th>No.</th>
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V: number of voices (使用ボイス数)
USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About \textbf{WARNING} and \textbf{CAUTION} Notices

\begin{tabular}{|p{0.4\textwidth}|p{0.6\textwidth}|}
\hline
\textbf{WARNING} & Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly. \\
\textbf{CAUTION} & Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. \\
& \hspace{1cm} Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets. \\
\end{tabular}

About the Symbols

\begin{itemize}
\item The $\triangle$ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
\item The $\bigcirc$ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
\item The $\bullet$ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.
\end{itemize}

---

ALWAYS OBSERVE THE FOLLOWING

\begin{tabular}{|p{0.4\textwidth}|p{0.6\textwidth}|}
\hline
\textbf{WARNING} & \begin{itemize}
\item Do not open or perform any internal modifications on the Expansion board.
\item Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your dealer, or qualified Roland service personnel.
\item Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.
\end{itemize} \\
\textbf{WARNING} & In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.
\end{tabular}

\textbf{CAUTION} & \begin{itemize}
\item Install this board in the specified instrument (model no. A-90). Remove only the specified screws when installing.
\end{itemize}

---

IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY", please read and observe the following:

Placement

- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.

In the interest of product improvement, the specifications and/or contents of this package are subject to change without prior notice.

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安全上のご注意

火災・感電・人身障害の危険を防止するには

△警告と△注意の意味について

△警告
取扱いを誤った場合に、使用者が死亡または重傷を負う可能性が想定される内容を表わしています。

△注意
取扱いを誤った場合に、使用者が傷害を負う危険が想定される場合および物の損害のみの発生が想定される内容を表わしています。
※物の損害とは、家屋・家財および家畜・ペットにかかる鉄や損害を表わしています。

図記号の例

△は、注意（危険、警告を含む）を表わしています。
具体的な注意内容は、△の中に表わされています。
左図の場合は、「一般的な注意、警告、危険」を表わしています。

○は、禁止（してはいけないこと）を表わしています。
具体的な禁止内容は、○の中に表わされています。
左図の場合は、「分解禁止」を表わしています。

●は、制限（必ずすること）を表わしています。
具体的な制限内容は、●の中に表わされています。
左図の場合は、「電源プラグをコンセントから抜くこと」を表わしています。

以下の指示を必ず守ってください

△警告
●この基板を分解したり、改造したりしないでください。

△警告
●お子様のいるご家庭で使用する場合、子供の取り扱いやいたずらに注意してください。必ず大人が、監視／指導してあげてください。

△注意
●この機器を、ぐらついた台の上や傾いた場所に設置しないでください。必ず安定した水平な場所に設置してください。

△注意
●指定の機器（A-90）だけに取り付け、取り付け時には、指定されたネジだけを外してください。

使用上のご注意

「安全上のご注意」以外に、次のことに注意してください。

設置について
● テレビやラジオの近くでこの機器を動作させると、テレビ画面に色ムラが出たり、ラジオから雑音が出ることがあります。この場合は、この機器を遠ざけて使用してください。
● 直射日光の当たる場所や、発熱する機器の近く、閉め切った車内などに放置しないでください。変形、変色することがあります。

修理について
● お客様がこの機器を分解・改造された場合、以後の性能について保証できません。また、修理をお断りする場合もあります。

製品の仕様および内容は、改良のため予告なく変更することがあります。

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