



Thank you for purchasing the Roland VE-RD1 Voice Expansion Board.

The VE-RD1 is the Voice Expansion Board specifically designed for the A-90 that features the fulfilled functions as a MIDI master keyboard to add functions as a stage piano.

This Expansion Board includes 64 voice sound generator and 128 different sounds mostly consisting of high quality piano sounds. It also contains Multi Effects such as Reverb, Chorus and Equalizer, that serves for wide sound synthesis.

The VE-RD1 is specifically designed for the A-90. Please do not install it to any other device.

■ Installing the VE-RD1



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



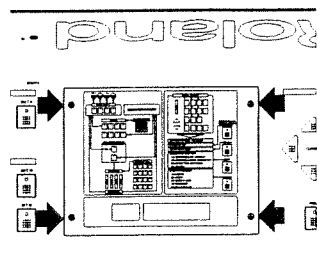
Remove only the specified screws.

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.



Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

この機器を正しくお使いいただくために、ご使用前に「安全上のご注意」と「使用上のご注意」をよくお読みください。また、この機器の優れた機能を十分ご理解いただくためにも、この取扱説明書をよくお読みください。取扱説明書は必要なときにすぐに見ることができるよう、手元に置いてください。

このたびは、ローランド ボイス・エクスパンション・ボード VE-RD1 をお買い上げいただき、まことにありがとうございます。

VE-RD1は、MIDIマスター・キーボードとして充実した機能を持つA-90に、ステージ・ピアノとしての機能を加えることができるA-90専用のボイス・エクスパンション・ボードです。

このエクスパンション・ボードは、64ボイスの音源を搭載し、高品質なピアノ音色を中心とした128の音色を内蔵しています。またリバーブ、コーラス、イコライザーといったマルチ・エフェクトを内蔵しており、幅広い音作りに活用することができます。

VE-RD1はA-90専用です。他の製品には装着しないで下さい。

■ VE-RD1の取り付けかた



VE-RD1を取り付ける前に、A-90の電源スイッチをオフにして、電源プラグをコンセントから外してください。



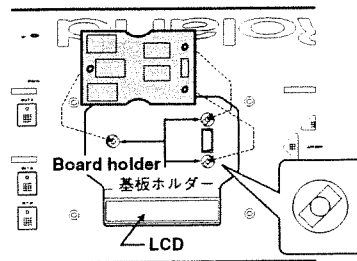
指定されたネジだけを外してください。

この基板は、静電気により部品が破壊される恐れがあります。基板を取り扱うときは、次の点に注意してください。

- 基板を持つときは、あらかじめ何らかの金属に触れて、体や衣類にたまっている静電気を放電してください。
- 基板を持つときは、基板の縁を持ち、部品やコネクターの部分に直接手を触れないでください。

1. A-90の正面中央のLCDカバーの4箇所のネジをドライバーではずし、LCDカバーを取り外します。
 - ※ 内部のLCD（液晶ディスプレイ）には触れないでください。
 - ※ 回路部やコネクタ部には手を触れないでください。
2. 基板ホルダーを図のような向きに合わせます。
3. ボードのコネクタを、A-90本体のコネクタに完全に差し込みます。このとき3つの基板ホルダーが、ボイス・エクスパンション・ボードの3つの穴から出るようにします。
 - ※ 基板を無理に押し込まないでください。装着しにくい場合、いったん基板を外してやり直してください。
4. ボード付属の固定用具で基板ホルダーを時計回りに1/4回転ほど回し、ボードを固定します。
 - ※ 取り付けを終えたら、正しく取り付けられていることを再度確認してください。
5. 最後にLCDカバーを取り付けます。

ボードを取り外す場合は、A-90の電源を切ってから、取り付けたときの逆の手順で取り外してください。



■ To listen to a Demo Songs

To play Demo Songs stored in the VE-RD1, do as follows.

1. Press the PGM CHANGE 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.

■ デモ・ソングを聴くときは.....

VE-RD1に収められたデモ・ソングを演奏させるときは、次の操作をします。

1. PARAMETER SELECTのPGM CHANGEボタンとAUX2ボタンを同時に押します。
2. SEQUENCER CONTROLのSONG SELECTボタンで曲を選びます。
3. SEQUENCER CONTROLのSTART/STOPボタンを押すとデモ・ソングの演奏が始まります。
4. START/STOPボタンをもう一度押すと演奏が止まります。
5. DATA ENTRYのEXITボタンを押すと元のモードに戻ります。

※これらのデモ・ソングを個人で楽しむ以外に権利者の許諾なく使用することは、法律で禁じられています。

※デモ・ソングの演奏データはMIDI OUTコネクターからは出力されません。

■ Patch List

No.	Name	V	No.	Name	V	No.	Name	V	No.	Name	V
1	St.Concert 1	2	33	SA E.Grand 1	1	65	60s Organ 2	1	97	Square Pad	2
2	St.Concert 2	2	34	SA E.Grand 2	3	66	Sqr Organ	2	98	EPno Pad	2
3	St.Concert 3	2	35	CP E.Grand	2	67	Vibe	2	99	7th Sand	4
4	St.Concert 4	2	36	SA Rhodes 1	2	68	Warm Vibes	2	100	Sweep Pad	2
5	St.Concert 5	2	37	SA Rhodes 2	3	69	AmbienceVibe	3	101	A90 Prologue	2
6	St.Concert 6	2	38	Suitcase	2	70	Dyna Marimba	1	102	A90 Rand Pad	2
7	St.Concert 7	2	39	STAGE Rhodes	1	71	Clav 1	2	103	LFO Strings	2
8	St.Concert 8	2	40	Mr.Suitcase	3	72	Clav 2	2	104	A-90 Aurora	3
9	St.Concertff	1	41	Rhodes p	1	73	Clav 3	2	105	A-90 Waltz	4
10	St.SemiGrd 1	2	42	Rhodes m	1	74	Juno Clav	1	106	A-90 Strobe	2
11	St.SemiGrd 2	2	43	Rhodes f	1	75	Poly Synth	2	107	Fooled Again	1
12	St.SemiGrd 3	2	44	DynoRhodes 1	3	76	Pulse Key 1	3	108	Beauty Vox	2
13	St.SemiGrd 4	2	45	DynoRhodes 2	3	77	Pulse Key 2	1	109	Syn Vox 1	1
14	Euro Piano 1	1	46	Wurly	1	78	Square Key	2	110	Syn Vox 2	1
15	Euro Piano 2	1	47	Wurly p	2	79	St.Strings	2	111	Angel Oohz	2
16	Euro Piano 3	2	48	Wurly mf	2	80	Warm Strings	2	112	Heaven	1
17	Euro Piano 4	2	49	Wurly f	2	81	Slow Strings	2	113	Sawteeth	3
18	Full Grand 1	2	50	D-50 EPiano1	1	82	Strings	1	114	Pulse Lead	4
19	Full Grand 2	2	51	D-50 EPiano2	2	83	OB Thick Pad	3	115	Synth Lead 1	2
20	Full Grand 3	2	52	D-50 Stack	4	84	OB Soft Pad	3	116	Synth Lead 2	1
21	Full Grand 4	2	53	Like Dee	2	85	Soft Pad	1	117	GR Lead	2
22	Full Grand 5	2	54	FM EPiano 1	3	86	Pulse Pad	4	118	20 Years ago	3
23	Full Grand 6	2	55	FM EPiano 2	4	87	SynStrings 1	2	119	SquareLead	2
24	Semi Grand 1	1	56	FM EP 3_1	1	88	SynStrings 2	2	120	Finger Bass1	1
25	Semi Grand 2	1	57	FM EP 3_2	1	89	SynStrings 3	1	121	Finger Bass2	2
26	Semi Grand 3	2	58	FM EP 3_3	1	90	After Rave	2	122	Pick Bass	1
27	Semi Grand 4	2	59	FM EP 3_4	1	91	JP-8Haunting	4	123	Ac.Bass	2
28	Semi Grand 5	2	60	B-3 Organ 1	2	92	Synth Brass1	2	124	Wonder Bass	2
29	Semi Grand 6	2	61	B-3 Organ 2	2	93	Synth Brass2	1	125	Super JX Bs	2
30	JV80 Piano 1	2	62	B-3 Organ 3	1	94	Synth Brass3	1	126	Synth Bass	1
31	JV80 Piano 2	2	63	B-3 Organ 4	1	95	Synth Brass4	1	127	Rubber Bass	2
32	JV80 Piano 3	2	64	60s Organ 1	1	96	Dawn 2 Dusk	3	128	Pedal Bass	2

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 ⚠ WARNING and ⚠ CAUTION Notices


⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * 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.


About the Symbols

	The ⚠ 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.
	The ⚡ 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.
	The ⚡ 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.

ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING	
• Do not open or perform any internal modifications on the Expansion board.	
• 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.	
• 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.	

⚠ 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.	

⚠ CAUTION	
• Install this board in the specified instrument (model no. A-90). Remove only the specified screws when installing.	

■ 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.

Roland®

40234501

UPC

40234501



18981

Roland®