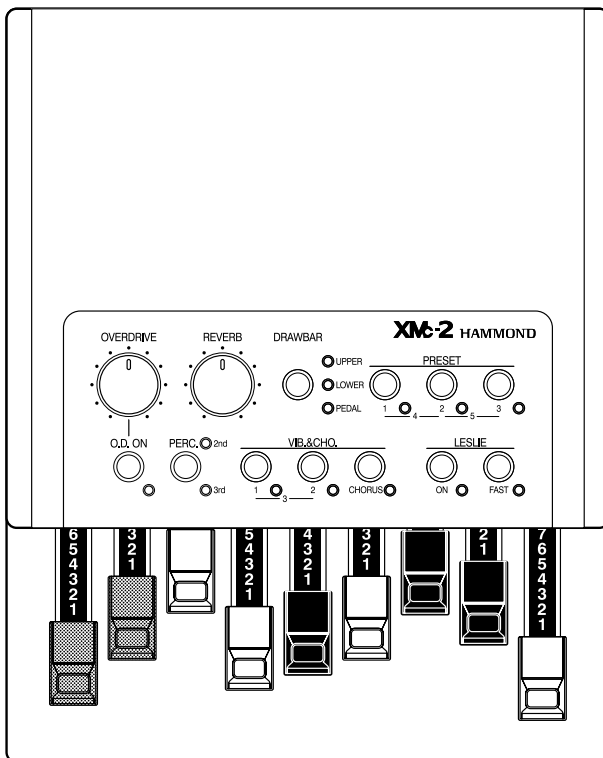


## Model XMc-2

Thank you, and congratulations on your choice of a Hammond XMc-2, Drawbar Controller.



In order to get the most out of this instrument for many years to come, please take the time to read this manual in full.














## Owner's Manual







# IMPORTANT SAFETY INSTRUCTIONS


- ◆ Before using this unit, please carefully read this "Safety Instructions" and use it correctly.
- ◆ Please be sure to keep this manual at hand even after reading it once.
- ◆ This "Safety Instructions" section contains very important points for securing your safety. Strictly observe the instructions, please.
- ◆ In this manual, the degrees of dangers and damages are classified and explained as follows:

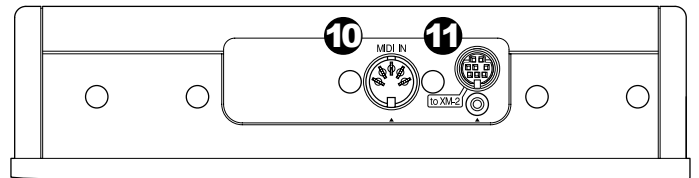
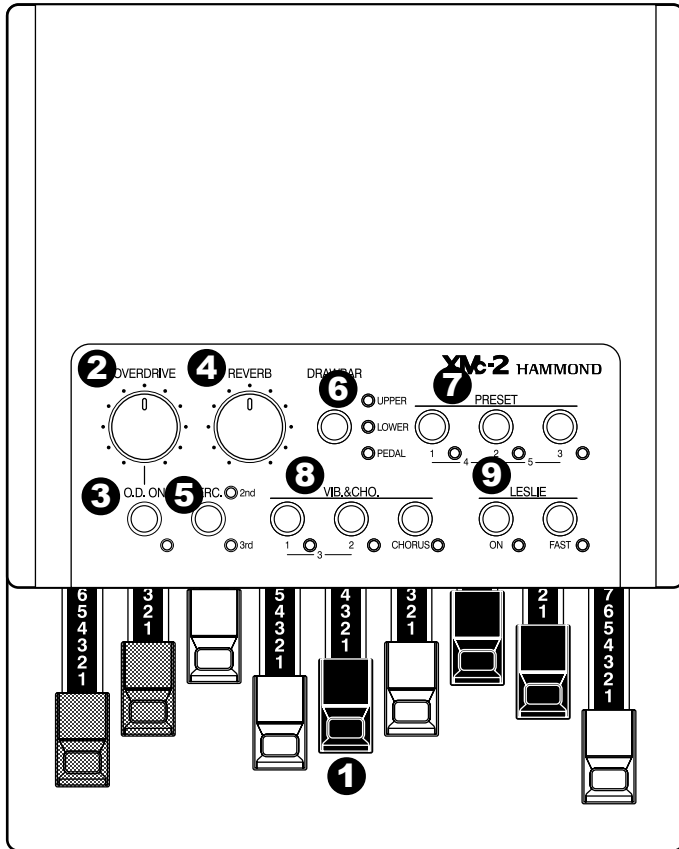
	<b>WARNING</b>	This sign is for alerting the user there is a risk of death or severe injury if this unit is not properly used as instructed.
	<b>CAUTION</b>	This sign is for alerting the user there is a risk of injury or material damage if this unit is not properly used as instructed. * Material damage here means a damage to the room, furniture or animals or pets.

- ◆  **WARNING**
- ◆  Do not open (or modify in any way) the unit.
- ◆  Do not attempt to repair the unit, or replace parts in it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Hammond, or an authorized Hammond distributor, as listed on the "Service" page.
- ◆  Never use or store the unit in places that are:
  - ◆ Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - ◆ Damp (e.g., baths, washrooms, on wet floors); or are
  - ◆ Humid; or are
  - ◆ Exposed to rain; or are
  - ◆ Dusty; or are
  - ◆ Subject to high levels of vibration.
- ◆  Be sure to use only the connecting cord supplied with the unit.
- ◆  Do not excessively twist or bend the connecting cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!
- ◆  Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.
- ◆  Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Hammond, or an authorized Hammond distributor, as listed on the "Service" page when:
  - ◆ The AC adaptor, the power-supply cord, or the plug has been damaged; or
  - ◆ If smoke or unusual odor occurs
  - ◆ Objects have fallen into, or liquid has been spilled onto the unit; or
  - ◆ The unit has been exposed to rain (or otherwise has become wet); or
  - ◆ The unit does not appear to operate normally or exhibits a marked change in performance.

- ◆  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.
- ◆  Protect the unit from strong impact. (Do not drop it!)
- ◆  Do not put anything that contains water (e.g., flower vases) on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

- ◆  **CAUTION**
- ◆  The unit should be located so their location or position does not interfere with their proper ventilation.
- ◆  Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.
- ◆  Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
- ◆  Never climb on top of, nor place heavy objects on the unit.
- ◆  Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.

	In case if in the future your instrument gets too old to play/use or malfunctions beyond repair, please observe the instructions of this mark, or, if any question, be sure to contact your dealer or your nearest town or municipal office for its proper disposal.
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◆ TOP PANEL

**1. DRAWBARS**

Controls harmonics of the part that is selected by the DRAWBAR Button (6). The setting of the Drawbars is called “Registration”.

**2. OVERDRIVE Knob**

Controls the Distortion of the Upper and Lower part.

**3. O.D. ON Button**

Switches ON/OFF the Overdrive effect.

**4. REVERB Knob**

Controls the depth of the Reverb effect.

**5. PERC Button**

Switches the Percussion voice.

**6. DRAWBAR Button**

This button selects Registration Parts. Also activate Drawbars (1).

**7. PRESET Buttons**

Recalls the selected Patches.

**8. VIBRATO & CHORUS Buttons**

Switch the Vibrato and Chorus effects.

**9. LESLIE Buttons**

Switch the Leslie effect.

◆ REAR PANEL

**10. MIDI IN Jack**

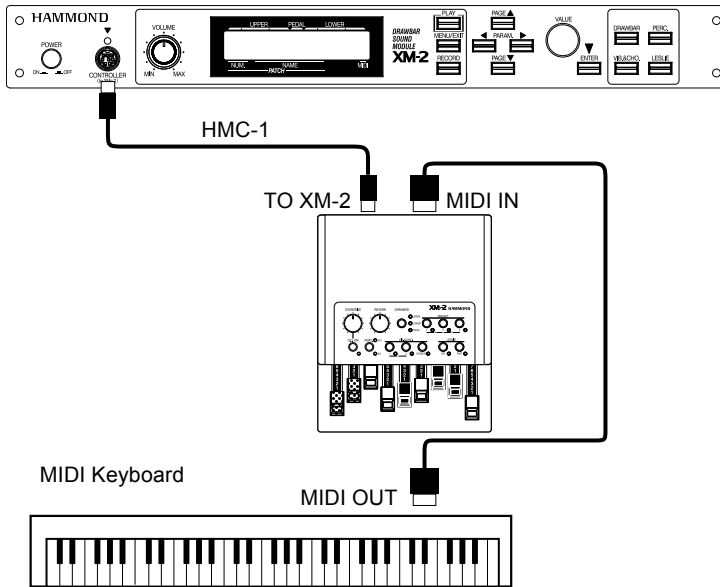
This is the Input Jack for the MIDI Keyboard.

**11. TO XM-2 Jack**

This Jack is for connecting the XM-2 to this unit by the attached HMC-1 cable.

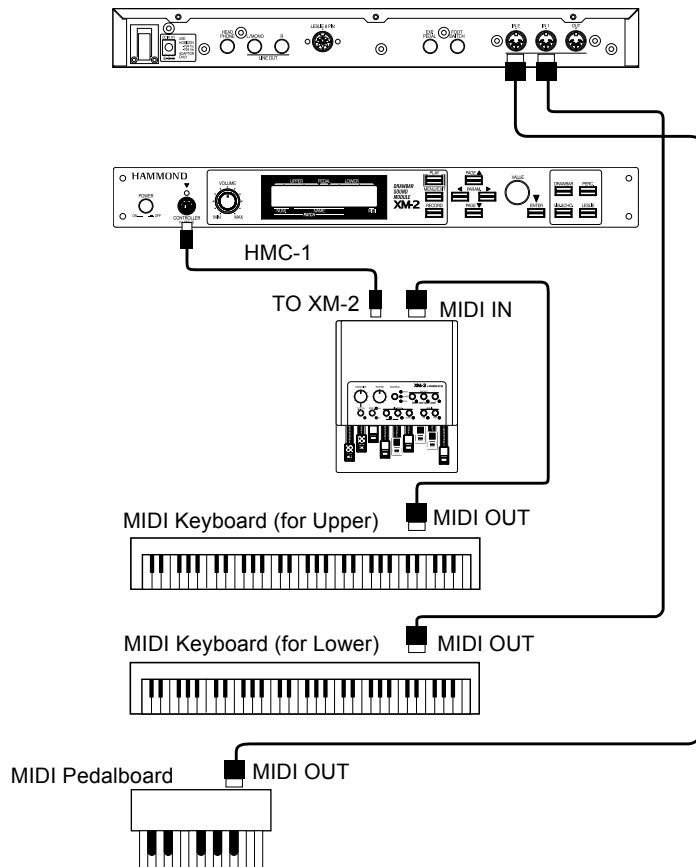
## BASIC HOOK-UP

The power for this unit is supplied from the XM-2. You can remote-control the XM-2 only by connecting this unit to the XM-2 with the attached connecting cable HMC-1.



## CONNECTING MULTIPLE KEYBOARDS

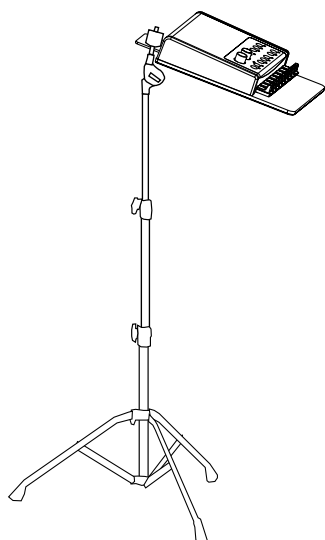
You can play the MIDI Keyboards by connecting them to the MIDI terminals of this unit and that of the XM-2, assigning each keyboard to the UPPER, LOWER, and PEDAL part respectively. Set the MIDI templates of the XM-2 according to the purposes.



## PLACING THE XM<sub>C</sub>-2 ON A STAND

This unit can be placed on a standard cymbal stand, by mounting the Stand Adaptor SA-XMC2 onto this unit.

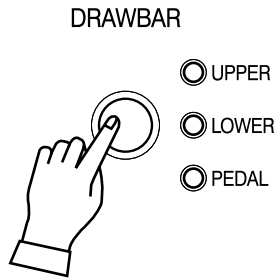
- ❖ To prevent this unit from tumbling down, do not place it on the stand at an abnormal angle or height.



# DRAWBAR REGISTRATION

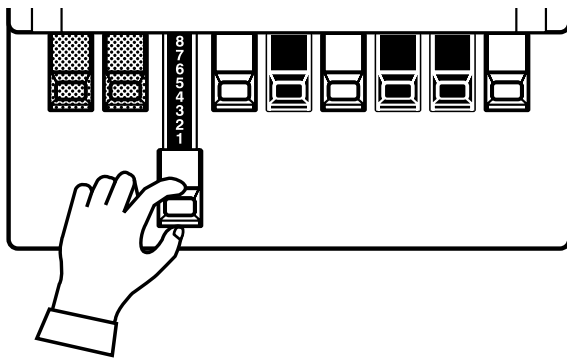
## CHANGE THE REGISTRATION OF EACH PART

**1** SELECT THE PART TO CONTROL



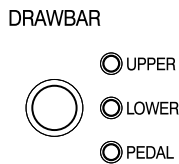
Touch the [DRAWBAR] button 3 or 4 times and select the parts to control the Registration. Every time you touch the button, the selected one of the 3 lights (UPPER, LOWER, PEDAL) goes on. There is no effect (NIL=invalid) when you touch the button one more time.

**2** CONTROL THE DRAWBARS

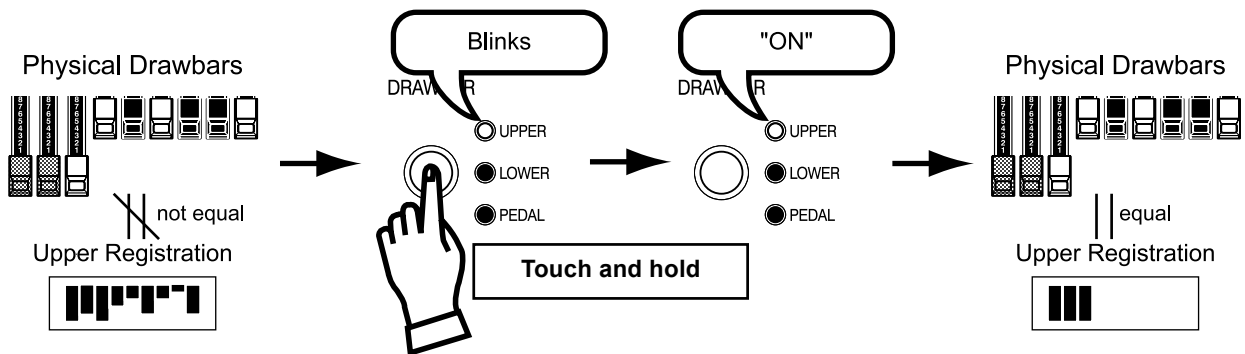


The Registration of the UPPER and LOWER parts is controlled by all the 9 Drawbars, and the PEDAL part by 16' and 8' Drawbars. Only the length (footage) of the pulled-out Drawbars change in the Registration. The footage of the one not pulled-out now does not change (remains as already set).

## MATCH THE REGISTRATION TO DRAWBARS



Touch the [DRAWBAR] button 3 or 4 times and select the part you want to match the Registration to the Drawbars. Hold down the button for a few seconds until the light blinks. Release it after the light is ON. Now the current physical Drawbar setting matches the actual Registration.



## OVERDRIVE

### ON/OFF (of OVERDRIVE)



To activate the Overdrive effect, touch the [O.D. ON] button.

The light turns on.

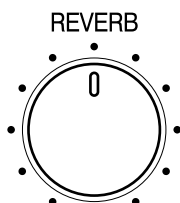
### ADJUSTING THE AMOUNT OF OVERDRIVE



The amount of the Overdrive effect can be adjusted by means of the [OVERDRIVE] knob.

Until you turn this knob, the internal value of the XM-2 is applied, regardless of the position of the knob. So, be careful of a quick change at the beginning of the knob operation.

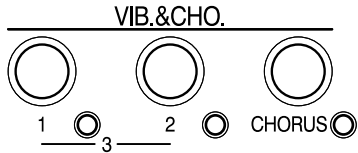
## REVERB



The amount of the Reverb effect can be adjusted by means of the [REVERB] knob.

Until you turn the knob, the internal value of the XM-2 is applied, regardless of the position of the knob. So, be careful of a quick change at the beginning of the knob operation.

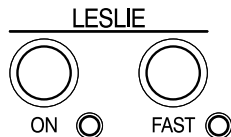
## VIBRATO & CHORUS



The Vibrato and Chorus effects are set by the 3 buttons; [1], [2], and [CHORUS]. By combining these buttons, you can obtain the effects as follows:

Button			State
1	2	CHORUS	Effect
Off	Off	Off	Through
Off	Off	On	
On	Off	Off	V-1
Off	On	Off	V-2
On	On	Off	V-3
On	Off	On	C-1
Off	On	On	C-2
On	On	On	C-3

## LESLIE



The Leslie effects are set by the 2 buttons; [ON], and [FAST]. By combining these buttons, you can obtain the effects as follows:

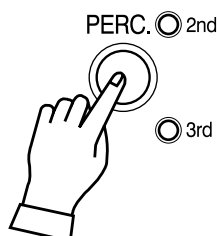
Button			State	
OFF MODE *1	ON	FAST	External Leslie Speaker	Internal Leslie Effect
Brak	On	On	Fast	
Thru	On	On		
Brak	On	Off	Slow	
Thru	On	Off		
Brak	Off	On	Brake	
Brak	Off	Off		
Thru	Off	On	Fast	Through
Thru	Off	Off	Slow	Through

\*1 OFF MODE is a parameter of the panel button on the XM-2.



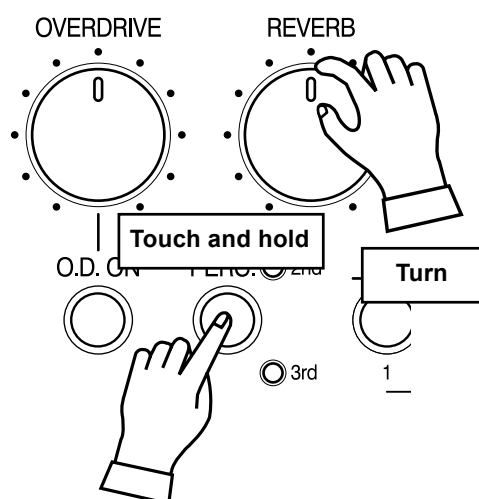
## PERC (PERCUSSION)

### ADDING PERCUSSION



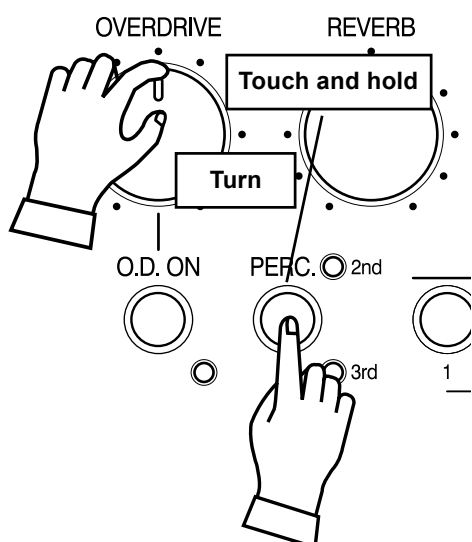
To add the Percussion sound, touch the [PERC] button several times and select your desired (Percussion) sound. Every time you touch the [PERC] button, the light of the selected sound turns on; 2nd, 3rd, 2nd + 3rd, NIL (no sound) in this order.

### ADJUSTING THE PERCUSSION LEVEL



The Percussion level can be changed by holding down the [PERC] button and turning the [REVERB] knob at the same time. There are 2 Percussion Volumes (NORM and SOFT) in the XM-2. By this the level of the currently selected Volume is changed.

### ADJUSTING THE PERCUSSION DECAY TIME

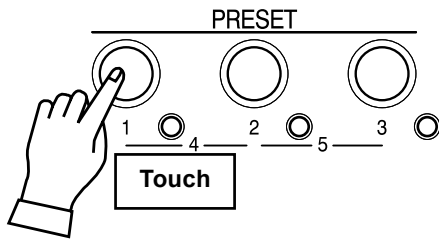


The Decay time of the Percussion sound can be changed by holding down the [PERC] button and turning the [OVERDRIVE] knob at the same time. There are two Decay types (SOFT and FAST) in the XM-2. By this the time of the currently selected decay is changed.

## PRESET

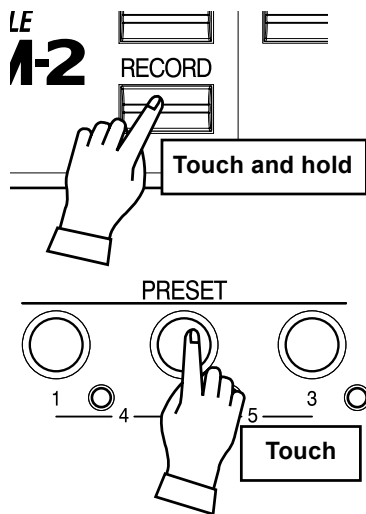
Each Preset button is used for recalling one of the 5 Patches. This button is also used to records the setting to the Patch you selected.

### RECALL THE PATCH VIA PRESET BUTTON



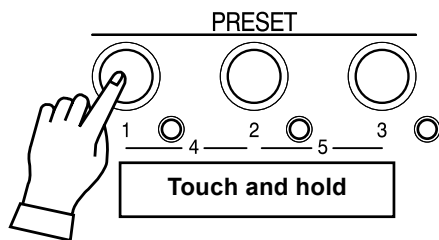
Each Patch registered to the Preset buttons [1], [2], [3] is recalled by touching each button individually. To recall the Patches registered to the Presets 4 and 5, touch the Preset buttons [1] and [2]. [2] and [3] at the same time, respectively.

### ASSIGNING THE PATCH NUMBERS TO PRESET BUTTONS



To assign a Patch number you want to recall to a Preset button, first call out the Patch you want on the XM-2 and touch the Preset button you want to assign it to on this unit. Holding down the [RECORD] button on the XM-2 at the same time. "Recording Preset..." is displayed on the XM-2 for a few seconds and the Preset-button light blinks on this unit for a short period of time.

### RECORDING THE CURRENT SETTINGS TO PRESET BUTTONS



To record the present setting to a Preset button, hold down the Preset button until the light blinks, and then release it. The present settings are recorded to the Patches assigned to the Preset buttons. "Recording Patch..." is displayed on the XM-2 for a few seconds.

## Harmonic Drawbars

9 pitches 1 set

## Controllers

Leslie

ON, FAST

Vibrato & Chorus

V1, V2, V3, C1, C2, C3

Percussion

2nd, 3rd, 2dn+3rd

O.D. On

Drawbar Select

UPPER, LOWER, PEDAL

Presets

1, 2, 3, 4, 5

Overdrive

Reverb

## Accessory

HMC-1 cable

## Dimension

182(W) x 47 (H) x 233 (D) mm

## Weight

800 g

# SERVICE

Hammond maintains a policy of continuously improving and upgrading its instruments and therefore reserves the right to change specifications without notice. Although every attempt has been made to insure the accuracy of the descriptive contents of this Manual, total accuracy cannot be guaranteed.

Should the owner require further assistance, inquiries should first be made to your Authorized Hammond Dealer. If you still need further assistance, contact Hammond at the following addresses:

In the United States contact:

HAMMOND SUZUKI USA, Inc.  
733 Annoreno Dr.  
Addison, IL 60101  
UNITED STATES

Website:  
[www.hammondorganco.com](http://www.hammondorganco.com)

In Europe contact:

HAMMOND SUZUKI EUROPE  
B.V.  
IR. D.S. Tuynmanweg 4A  
4131 PN Vianen  
THE NETHERLANDS

E-mail: [Info@hammondsuzuki.com](mailto:Info@hammondsuzuki.com)  
Website: [www.hammondsuzuki.com](http://www.hammondsuzuki.com)

All other countries contact:

HAMMOND SUZUKI Ltd.  
25-11, Ryoke 2 Chome  
Hamamatsu 430-0852  
(Shizuoka)  
JAPAN

Website: [www.suzuki-music.co.jp](http://www.suzuki-music.co.jp)

Technical materials are available and can be obtained by mailing a request to the appropriate address listed above marked ATTENTION: SERVICE DEPARTMENT.

Manufacturer:  
SUZUKI MUSICAL INSTRUMENT MFG. CO., Ltd.  
25-12, Ryoke 2 Chome  
Hamamatsu 430-0852 (Shizuoka)  
JAPAN

