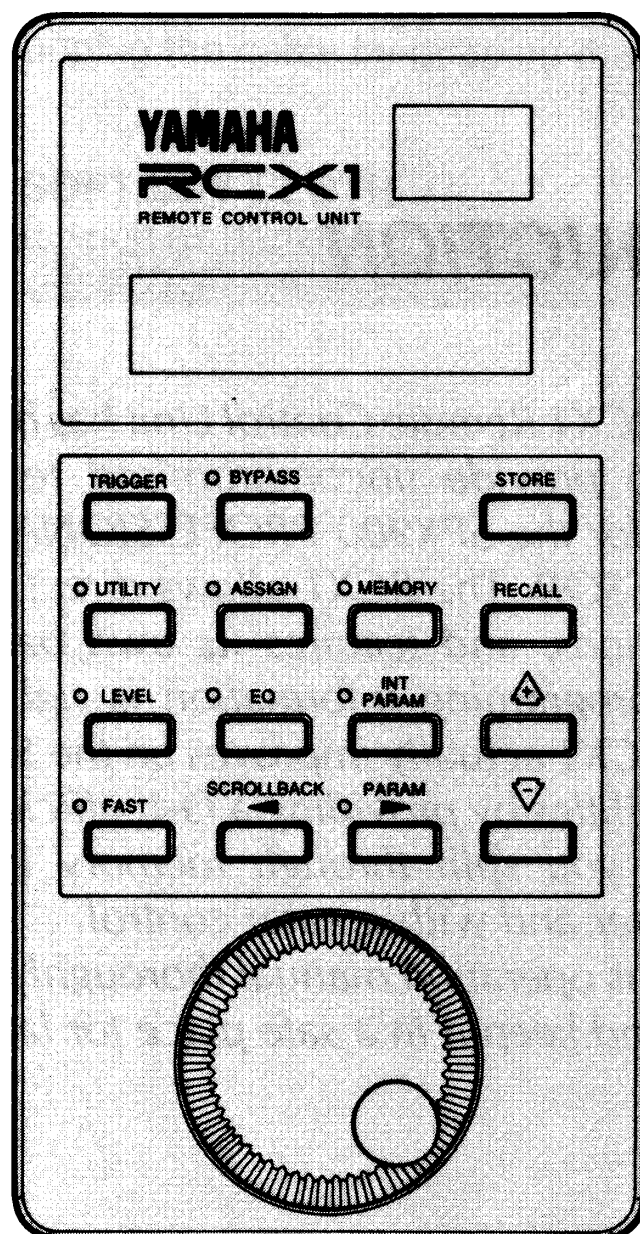# YAMAHA

RCX1

REMOTE CONTROL UNIT
UNITE DE TELECOMMANDE
FERNBEDIENUNGSTEIL

OPERATING MANUAL
MANUEL D'UTILISATION
BEDIENUNGSANLEITUNG

CONTENTS

INTRODUCTION

The Yamaha RCX1 Remote Control Unit has been designed specifically to provide uncompromised remote control convenience for the SPX900 PROFESSIONAL MULTI-EF-FECT PROCESSOR. The RCX1 allows direct control of all SPX900 functions, and features its own backlit LCD so control and programing information is right where you need it. The RCX1 actually improves on the SPX900's own control capabilities by providing a fast, efficient data entry dial that lets you spin through memory locations and parameter faster and with greater control.
Please read this operation manual thoroughly before using your RCX1, and keep it in a safe place for later reference.

PRECAUTIONS

1. AVOID EXCESSIVE HEAT, HUMIDITY, DUST AND VIBRATION
Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity—such as near radiators, stoves, etc. Also avoid locations which are subject to excessive dust accumulation or vibration which could cause mechanical damage.

2. AVOID PHYSICAL SHOCKS
Strong physical shocks to the unit can cause damage. Handle it with care.

3. DO NOT OPEN THE CASE OR ATTEMPT REPAIRS OR MODIFICATIONS YOURSELF
This product contains no user-serviceable parts. Refer all maintenance to qualified Yamaha service personnel. Opening the case and/or tampering with the internal circuitry will void the warranty.

4. HANDLE CABLE CAREFULLY
Always plug and unplug the cable by gripping the connector, not the cord.
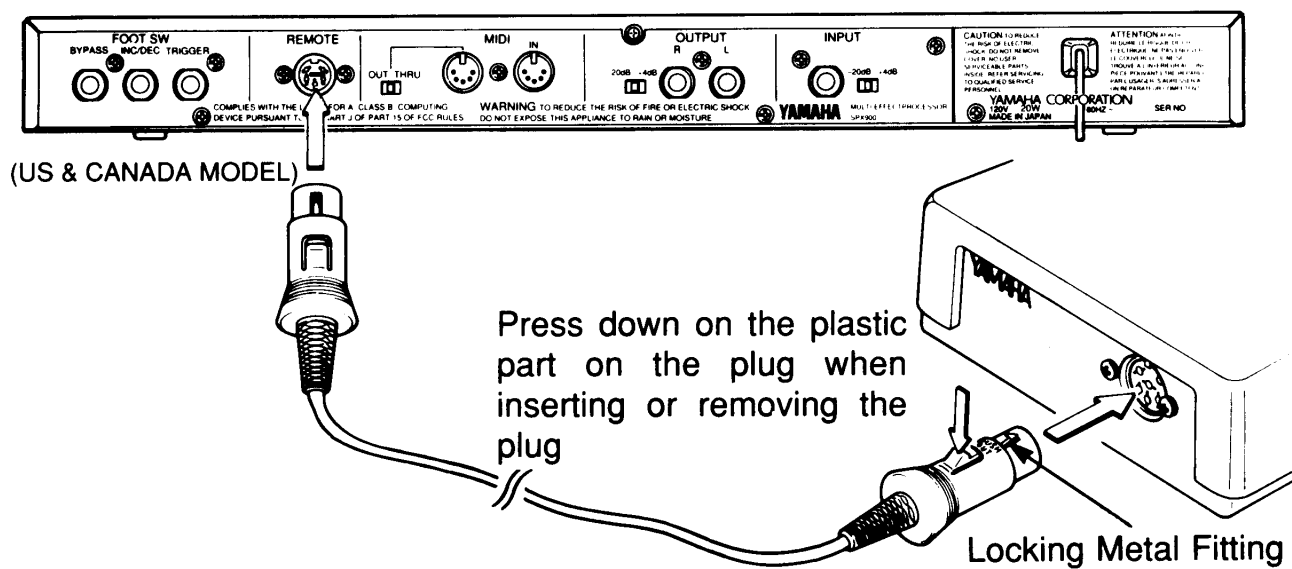
5. CLEAN WITH A SOFT DRY CLOTH
Never use solvents such as benzine or thinner to clean the unit. Wipe clean with a soft, dry cloth.

CONNECTION AND POWER-ON PROCEDURE

The RCX1 must be connected to the SPX900 while the SPX900 power is OFF!

1. Make sure the SPX900 is turned OFF.
2. Use the connector cable supplied with the RCX1 to connect the 6-pin DIN connector on the top end of the RCX1 housing to the REMOTE connector on the SPX900 rear panel.

(US & CANADA MODEL)

Press down on the plastic part on the plug when inserting or removing the plug

Locking Metal Fitting

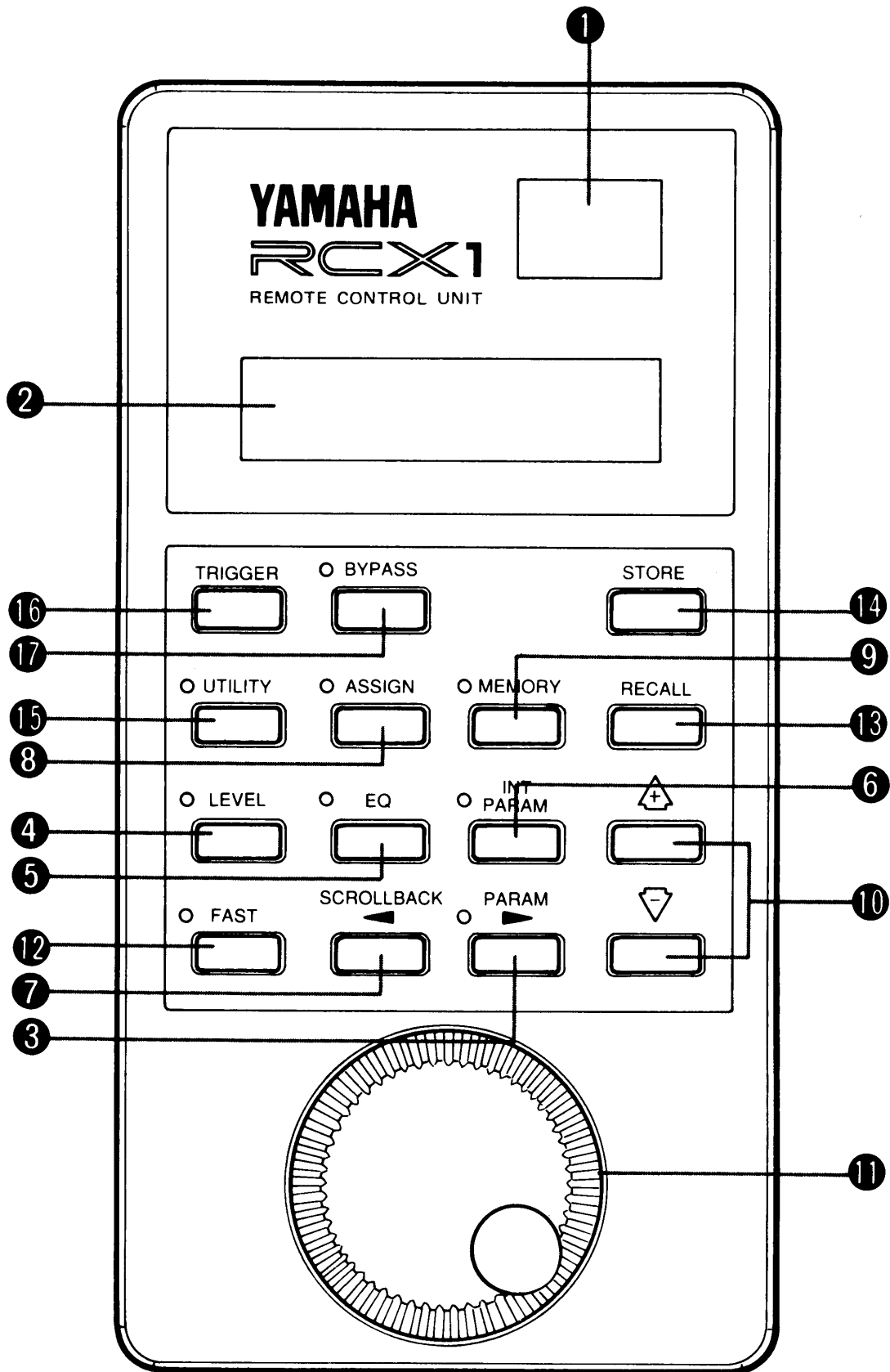3. Turn the SPX900 power ON. The RCX1 LED and LCD displays should match those on the SPX900.

* If the connection cable (5m) is not long enough, please use the optional RCX1 connection cable RCC10 (10m).

> **NOTE:**
> All RCX1 displays and controls (except the FAST key and data entry dial)
> function exactly the same as their counterparts on the SPX900 panel. For your
> reference, brief summaries of their functions and use are given below. For in-
> depth operating details refer to the SPX900 Operation Manual.

Control Panel
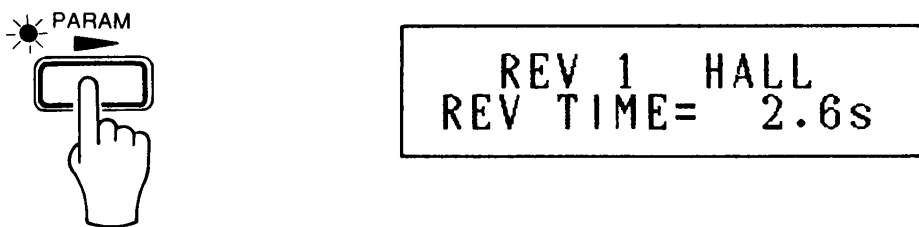
❶ LED Memory Number Display

This 2-digit numeric display shows the number of the currently selected SPX900 memory location. When the LED display is continuously lit the effect corresponding to the number displayed is active. When the LED display is flashing, this indicates that a new memory location has been selected but has not yet been recalled, leaving the previously selected effect active.
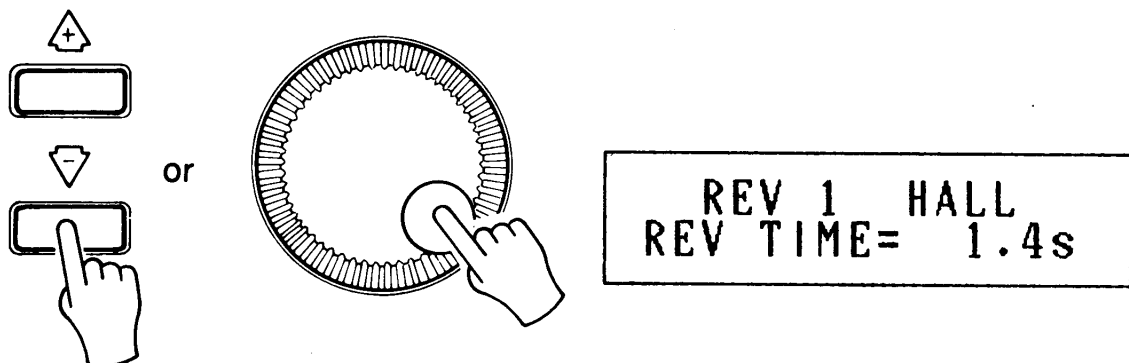
❷ LCD (Liquid Crystal Display)

This 16-character x 2-line liquid crystal display panel duplicates the SPX900 LCD, displaying the title of the selected effect on the top line and a selected parameter and its value on the bottom line. One or both lines may also be used to display error messages or warnings.

❸ PARAM ▬ Key

Accesses the main effect parameters for each program. The PARAM key LED will light when the PARAM key is pressed, indicating that the main effect parameters are available.


```
     REV 1    HALL
REV TIME=   2.6s
```

Each time the PARAM key is pressed the next parameter in the selected program's "parameter set" is called. It is also possible to scroll backward through the parameter set by using the SCROLL BACK key (7). Once the desired parameter has been selected its value or setting can be changed using the parameter ⬆ and ⬇ keys (10) or the data entry dial (11).


```
     REV 1    HALL
REV TIME=   1.4s
```

The PARAM▬key is also used for cursor control (forward cursor movement) in some utility functions.

4

❹ LEVEL Key

Accesses the output level and balance parameters for each program. Once the LEVEL key has been pressed (its LED will light), both the LEVEL key and SCROLL BACK (7) key can be used to select parameters. Once the desired parameter has been selected its value or setting can be changed using the parameter $\triangle$ and $\triangledown$ keys (10) or the data entry dial (11).

❺ EQ Key

Accesses the digital equalizer or dynamic filter parameters for each program. Once the EQ key has been pressed (its LED will light), both the EQ key and SCROLL BACK (7) key can be used to select parameters. Once the desired parameter has been selected its value or setting can be changed using the parameter $\triangle$ and $\triangledown$ keys (10) or the data entry dial (11).

❻ INT PARAM Key

Accesses a special set of internal parameters for each effect program. Once the INT PARAM key has been pressed (its LED will light), both the INT PARAM key and SCROLL BACK (7) key can be used to select parameters. Once the desired parameter has been selected its value or setting can be changed using the parameter $\triangle$ and $\triangledown$ keys (10) or the data entry dial (11).

❼ SCROLL BACK◄ Key

When any set of parameters is selected — PARAM, LEVEL, EQ, or INT PARAM — the SCROLL BACK key can be used to scroll backward through the available parameters while the PARAM (3), LEVEL (4), EQ (5) or INT PARAM (6) key scrolls forward, according to the parameter set selected. The preceding parameter in the current set is selected each time the SCROLL BACK key is pressed. The SCROLL BACK◄ key is also used for cursor control (backward cursor movement) in some utility functions.

❽ ASSIGN Key

This key makes it possible to assign any parameters (PARAM, LEVEL, EQ or INT PARAM) to external foot controllers connected to the SPX900's front-panel EXT CTRL/FOOT VOL 1 and 2 jacks. The foot controllers can then be used to control the assigned parameter in real time. Refer to the SPX900 Operation Manual for details.

❾ MEMORY Key

When this key is pressed and its LED indicator lights, the RCX1

△ and ▽ keys (10) or data entry dial (11) can be used to select SPX900 effect programs (memory locations).

⑩ △ and ▽ Keys

These keys are used to select SPX900 effect programs when the MEMORY key is ON, or to change parameter values when parameters are selected for editing (after the PARAM, LEVEL, EQ or INT PARAM key has been pressed). The parameter △ and ▽ keys are also used to program several UTILITY functions. The △ and ▽ keys can be pressed briefly to change values in single steps, or held down for rapid continuous incrementing or decrementing of the selected value. For faster, broader parameter control, use the data entry dial, described below.

⑪ Data Entry Dial

The RCX1 data entry dial allows fast selection of effect programs when the MEMORY key is ON, and provides an alternative means of parameter control when parameters are selected for editing (after the PARAM, LEVEL, EQ or INT PARAM key has been pressed). Rotate the dial clockwise to increase the effect program number or parameter value, or counterclockwise to decrease the setting.

⑫ FAST Key

When the FAST key is pressed and its LED is lit, the data entry dial (11) is set to change effect program numbers or parameter values at the highest possible speed. Press the FAST key a second time (its LED will go out) to return to normal data entry dial speed.

⑬ RECALL Key

When a new memory location number has been selected using the program select △ and ▽ keys or data entry dial, the RECALL key must be pressed to activate the selected effect.

⑭ STORE Key

This key is used to store edited effect programs into one of the SPX900's user memory locations. Refer to the SPX900 Operation Manual for full details.

⑮ UTILITY Key

This key accesses the SPX900's utility functions. The utility mode can be exited by scrolling all the way through the utility function list, or by holding the UTILITY key for approximately one second. Refer to the SPX900 Operation Manual for full details.

NOTE:
If the UTILITY key is pressed (it's LED will light) and then the MEMORY key is pressed, the RCX1 $\triangle$ and $\triangledown$ keys or data entry dial can be used to scroll through the SPX900's utility function list. Pressing any other function key exits the utility function scroll mode, allowing the utility parameters to be controlled by the $\triangle$ and $\triangledown$ keys or data entry dial.
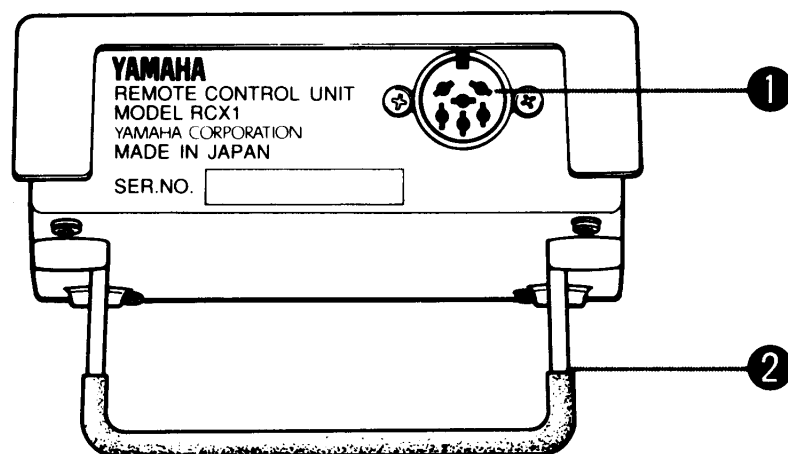
⑯ TRIGGER Key
The TRIGGER key allows manual triggering of any SPX900 effect program that has trigger parameters. Refer to the SPX900 Operation Manual for full details.

⑰ BYPASS Key
The BYPASS key switches the selected effect ON or OFF, leaving only the direct signal when BYPASS is active. The BYPASS key has the same function as a footswitch plugged into the SPX900's rear-panel BYPASS jack.

Connector Panel

❶ Connector cable terminal
This is the terminal used to plug the connector cable into the SPX900.

❷ Flip-out Stand
The RCX1 has a flip-out stand on it's bottom panel that allows to the unit to sit at a convenient operating angle. Simply flip the stand back against the bottom panel when it is not required.

SPECIFICATIONS

Dimensions (W x H x D)   100 x 39.5 x 200 (mm)
Weight   0.6 kg
Accessory   Connector cable (5 m, 6 pin DIN plug)

OPTION

RCX CONNECTION CABLE   RCC10 (10m, 6pin DIN plug)

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