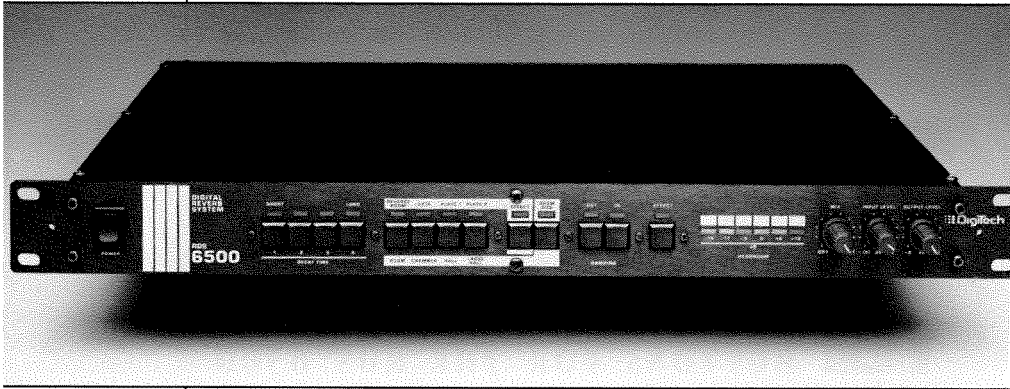


# **O**WNER'S MANUAL



## **RDS 6500 DIGITAL REVERBERATION SYSTEM**

**DigiTech**

## INTRODUCING THE RDS 6500 DIGITAL REVERBERATION SYSTEM

The DigiTech RDS 6500 is an advancement in digital reverberation through continuing extensive software development. The new RDS 6500 has all new programs for even better reverberant effects.

**Installation, operation, and applications of the RDS 6500 reverb system are the same as the 6400 model**, but for the different functions of the two program selection buttons on the front panel. All other instructions in the RDS 6400 manual apply to the RDS 6500 digital reverberation system.

Two different program banks, "effect" and "room", can be selected. The "effect" bank offers two different plate programs, a gated room program, and a reverse room program. The "room" bank offers four different room size programs. The operating parameters of decay time, high frequency damping, and the mix of reverb to "dry" signal can all be quickly and easily selected and adjusted from the five groups of buttons and controls on the front panel of the reverb.

## PROGRAM SELECTION BUTTONS FOR THE RDS 6500

These two buttons select one of three algorithms in the reverb. The "EFFECT" selection offers the ability to choose one of two plate programs, a gated room program, and a reverse room program. The "ROOM" algorithm selection offers the ability to choose one of four room programs of four different sizes.

The four program selection buttons in the "effect" bank (following the gray panel marking) offer:

- Two "PLATE" programs: the "PLATE" algorithms have a higher density of reflections than the "ROOM" algorithm and add a nice thickening and smoothing to a sound.
- A "GATED" room program: this program begins with a normal room reverberation but then falls off very quickly, especially good for percussion so as not to "muddy-up" the sound with reverb over ring.

- And a "REVERSE" room program: this is a popular effect that sounds like the reverberant signal backwards: instead of "dying away" the reverberant signal starts low and increases in volume exponentially to the same level as the input signal before shutting off.

The four program selection buttons in the "ROOM" algorithm (following the blue panel marking) offer four different sets of parameters that create perceivable acoustic spaces from a living room to a concert hall in size.

*RDS 6500 Applications found on inside back cover.*

## RDS 6500 APPLICATIONS

APPLICATION	ROOM/EFFECT	DECAY TIME	DAMPING
SNARE	Gated Room	Long	No
TOM	Gated Room	Long	Yes
PIANOS	Large Room	Short	Yes
LEAD VOCALS	Large Room	Med Short	No
BACKGROUND VOCALS	Large Room	Med Long	Yes
RHYTHM GUITARS	Small Plate	Med Short	No
ACOUSTICAL GUITARS	Large Room	Med Long	Yes
STRINGS	Large Room	Long	Yes
CONCERT HALL	Large Room	Long	Yes
LIVING ROOM	Med Sm Room	Med Short	No
NARRATIONS-BIG VOICE	Large Plate	Med Long	Yes
NARRATION-INTIMATE	Med Sm Room	Med Long	Yes
SPECIAL EFFECTS	Reverse Room	Med Long	No



**DigitTech**

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