

DIGITAL
REVERBERATOR

REV100

Reverb is the essential effect for musical instruments



Studio-quality Effects Anywhere You Need Them

Extraordinary Ambience

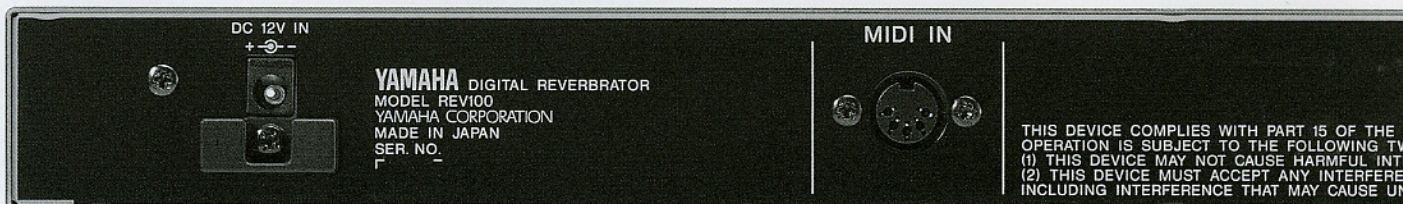
Reverb is the essential effect for musical instruments, recording, and sound reinforcement. Delay and modulation run a close second and third. In fact, the quality of the effects you use has a major influence on the overall quality of your sound. If you're looking for the kind of reverb, delay, and modulation effects that can give your sound a serious lift, take a good look at the Yamaha REV100 Digital Reverberator. It's no secret that Yamaha makes some of the best signal processors in the business. The REV100 is no exception. It offers remarkably smooth, natural reverb sound as well as a range of outstanding studio-quality delay and modulation effects. It's also super-simple to use, and surprisingly affordable for the quality and flexibility it offers. So affordable, in fact, that you could easily add several to your system for sensational processing power.

The Yamaha REV100: the easy way to add extraordinary ambience to your sound.

Front Panel



Rear Panel



■ 99 Editable Presets — Exceptionally Easy Programming

The REV100 is basically a no-fuss signal processor — just select one of its 99 top-quality preset effects and you're ready to go. When you need something specially tailored to the occasion, however, the REV100 makes editing extra easy. The three most critical parameters for all effect programs are adjustable via rotary panel controls. No button-tapping to find or change settings — just rotate the appropriate controls until the sound is right. With reverb programs, for example, the panel controls give you direct access to the initial delay, reverb time, and high-frequency damping parameters — all you really need for full control. Input level and dry/wet balance controls are also provided. And when you create a sound you want to keep, just press the STORE button to register it in the REV100 memory. Of course, you can recall the original Yamaha presets whenever you like — either all at once or individually. Each of the parameter controls also has an LED that lights when the control setting matches the preset parameter value.

The presets include reverb, delay, and modulation effects, plus a range of combinations so if you need reverb and flanging, for example, it's right at your fingertips.

REV100 Effect Categories

Reverb
Programs 1 — 20. This category includes the essential reverb effects such as realistic hall, room, and plate reverb simulations.
Stereo Reverb
Programs 21 — 40. True stereo reverb effects that let you add ambience to stereo signals without sacrificing the stereo image.
Gate Reverb
Programs 41 — 50. A range of "gated" reverb effects that add warmth and ambience while maintaining a tight sound.
Delay
Programs 51 — 60. A selection of mono and stereo delay programs including straightforward one-shot repeats and complex bounce effects.
Delay/Reverb
Programs 61 — 70. Combinations of delay and reverb that can add a little more life to your sound than delay or reverb alone.
Reverb/Modulation
Programs 71 — 99. Reverb combined with a range of modulation effects including flange, symphonic, chorus, and tremolo.

■ True Stereo Reverb

With common mono-in/stereo-out processors you have a problem if you want to add reverb to a stereo signal. You can use two processor units, or mix the signal to mono and sacrifice the stereo image. The REV100 actually has stereo inputs and outputs, and a range of true stereo reverb programs that offer realistic ambience without wiping out

your stereo image. The REV100 will also function in the standard mono-in/stereo-out mode if you don't need stereo processing.

■ Superior Sound Quality

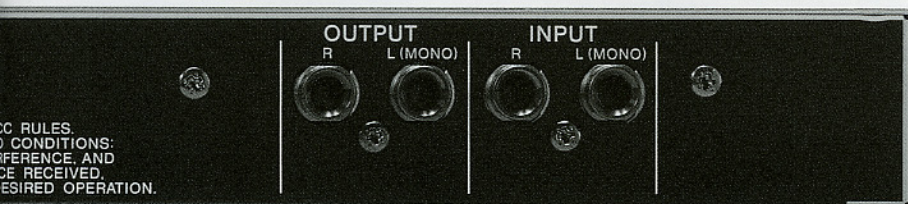
The quality of your effect sound is just as important as the original sound itself. If you're aiming for first-rate sound you need to select your signal processor with the same care you'd use in selecting any other piece of critical audio equipment. The REV100 offers CD-quality sound with 16-bit A/D and D/A converters and a 44.1 kHz sampling rate. The result is full 20 Hz to 20 kHz frequency response with exceptionally low noise and distortion, so your effects are totally clean and natural.

■ Advanced MIDI Features

If you'll be using the REV100 in a MIDI music system, it offers some features that can make operation extra convenient. You can select effect programs via MIDI rather than the panel controls. This can be handy when you want to automatically select different effects for different patches on a synthesizer, for example. You can also use MIDI control change commands to actually change effect parameters, so you can vary the effect sound in real time while playing.

■ Other Important Features

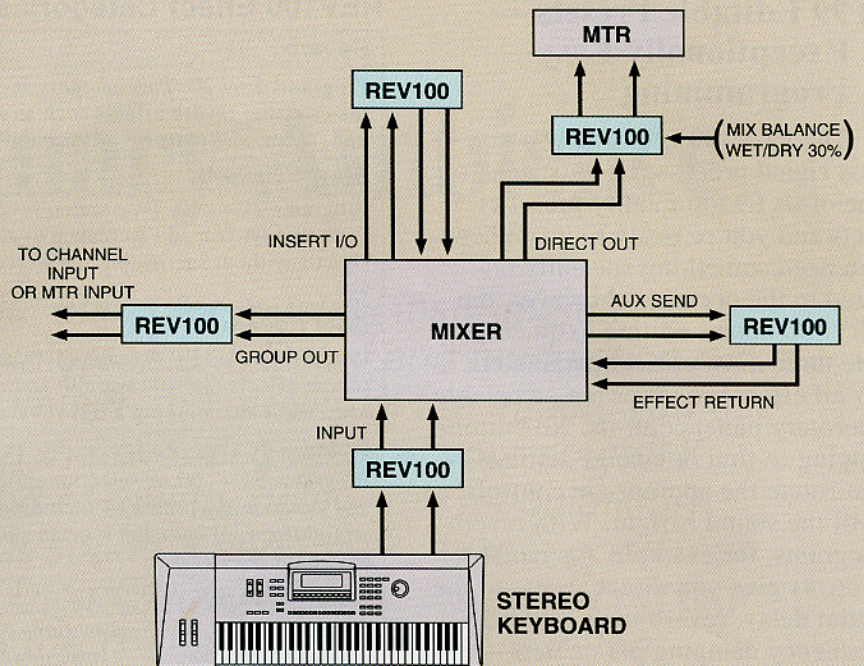
- Compact "1U" rack mount dimensions.
- Easy-to-read 2-digit LED display.
- Peak LEDs make it easy to set the optimum input level.



Studio-quality Effects Anywhere You Need Them

The REV100 can be added to a recording system in a multitude of ways to meet individual signal-processing requirements. Since the REV100 is so affordable there's no reason why you can't use several at points where its outstanding processing power is most needed.

The "normal" way to use a signal-processor with a mixing console is patched into the aux send/effect return loop. But if you want to use the effects only on a specific instrument it might be more convenient to patch a REV100 in-line between the instrument and mixer inputs. You could also patch into the insert I/O jacks of one or two channels if you want to apply the effects directly to low-level microphone signals or returns from a recorder. You might also want to have a REV100 between the mixer direct or group outputs and your multitrack or master recorder, using the REV100's balance control to achieve the required effect mix.



Specifications

ELECTRICAL CHARACTERISTICS

Frequency Response	20 Hz–20 kHz
Dynamic Range	80 dB (typical)
Distortion	Less than 0.1% (1 kHz, max. level)

INPUT

Number of Channels	2 (Phone jack)
Nominal Level	-10 dB
Impedance	20 kΩ (STEREO), 10 kΩ (L-MONO)

OUTPUT

Number of Channels	2 (Phone jack)
Nominal Level	-10 dB
Impedance	20 kΩ (STEREO), 10 kΩ (L-MONO)

AD/DA CONVERSION

AD Conversion	16 bit
DA Conversion	16 bit
Sampling Frequency	44.1 kHz

PROGRAM

Program Memories	99
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FRONT PANEL

Switches	▲, ▼, MIDI, STORE, POWER
Rotary Controls	INPUT LEVEL, MIX BALANCE, DELAY, DECAY, LEVEL
Display	7-segment LED × 2 PEAK, L R DELAY, DECAY, LEVEL

REAR PANEL

Jacks	INPUT L (MONO), R OUTPUT L (MONO), R MIDI IN
DIN	
DC 12V IN	

GENERAL

AC Adaptor	DC 12V
Dimensions (W × H × D)	480 × 45 × 232 mm (18.9" × 1.8" × 9.1")
Weight	2.5kg (5.5 lb)

* Dynamic range is measured with a 6 dB/octave LPF at 12.7 kHz-equivalent to a 20 kHz LPF with infinite dB/octave attenuation.

* 0 dB = 0.775 V rms.

* Specifications and appearance are subject to change without notice.

YAMAHA Web Site

<http://www.yamaha.co.jp/english/>
<http://www.yamaha.co.jp/product/proaudio/homeenglish/>

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