MPX 500
Release Notes

NEW SYSTEM MODE PARAMETER

R1-MPX 1 Mode has been added to the system parameter MIDI Program Change. This additional setting enables the MPX 500 to respond to program change messages from a Lexicon MPX R1 Foot Controller set to MPX 1 Mode.

Parameter	Settings	Default Setting
MIDI Program Change	Enabled, Disabled, **R1-MPX1 Mode**	Enabled

OVL INDICATOR SIGNALS DSP OVERLOAD

The OVL indicator located below the input meters reflects the internal processing state of the MPX 500, not clipping of the inputs. Intermittent flashing or constant lighting of this indicator signals the need to reduce input levels or the value of a parameter on the verge of feedback. Input overload is indicated on the meters themselves. When input clipping occurs on either channel, that channel's meter changes to "inverse" video, signalling the need to reduce input levels. The diagram pictured at left shows clipping of the left channel as well as internal processing overload.

CHANGING SIZE AND DURATION PARAMETERS

Changing the Size parameter in Reverb and Ambience presets or the Duration parameter in Gate presets will cause the program to reload. The program must reload in order for the unit to execute the extensive audio re-routing associated with changing these parameters without producing unwanted noise. The System Mode parameter Program Load Mode determines whether the MPX 500 will mute or bypass during this reloading.

MEMORY PROTECT MODE

On page 19, the MPX 500 User Guide incorrectly states that Memory Protect Mode prevents changes to the User Bank or the System Parameters. When enabled, Memory Protect Mode does prevent changes to the User Bank. But it does not prevent changes to the System Parameters, nor does it prevent restoration of MPX 500 factory-default settings. This means that Factory Init will erase any stored programs in the User Bank.

ADJUST KNOB ASSIGNMENTS

The User Guide lists incorrect Adjust knob assignments for some programs. Below is a list of these programs with their correct Adjust knob assignments:

49	HiCut
88	Inversion
103	Time (0-400ms) + Feedback
104	Time (200-1200ms) + Feedback
153	Mid-band Reverb Time
154	Mid-band Reverb Time
155	Mid-band Reverb Time
174	Mid-band Reverb Time

PARAMETERS PATCHED TO TEMPO

- The Edit knobs cannot be used to adjust parameters patched to Tempo. Some MPX 500 programs link Tempo to certain parameters. In these programs, the message "Patched to Tempo" will appear on the display when changes to a patched parameter are attempted.

- Both the User Guide and the previous version of these Release Notes provide lists of programs that do not have Pre-delay patched to Tempo. Following is a complete and correct list of these programs: 3, 5, 6, 7, 63, 64, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 210, 215, 236, 237, 238.

- A Tempo patch was added to preset 12.

PROGRAM 114: STEREO STAGE

Program 114 is now Stereo Stage, designed to supply reverb while preserving stereo imaging in a live stage setup. Stereo imaging is preserved via time delay rather than conventional L/R panning so that a proper channel mix is maintained in both L and R speakers.

To use this program, observe the following:

- Use the MPX 200 in-line between mixer and house amps, not as an effect that is mixed back into the main L and R signals.

- On your mixer, pan the input channel for each musician fully to that musician's side of the stage.

- Keep Mix set to 50% (the default setting when Program Load is set to Program).

- Adjust your Reverb level by changing the Balance parameter between full left (-50) and about -10. (Typical values should be between -45 and -40.)

- Set "Width" for the distance between the speakers at each side of the stage. The program loads with an assumed width of approximately 20 ft. The available range via the Adjust knob is 10-50 ft. These values assume that most audience members are seated within 30 degrees to either side of the stage centerline. If many audience members are seated further to the sides of the stage the Adjust setting can be increased, but otherwise it should be kept as low as possible.