

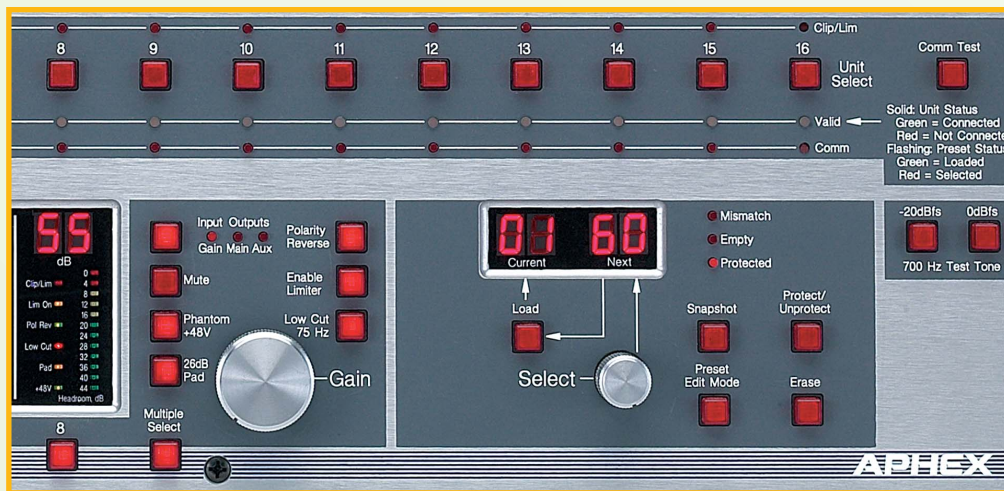
Why Remote Control?

Almost all live applications require the monitoring of mic preamp gain. If there isn't an engineer sitting next to the preamps on stage, there must be a way to control them from a remote position. All parameters of the 1788A are remotely or locally controllable. Also, setup, snapshots and recall of presets are quickly and easily available. The remote control protocol for the 1788A is MIDI and up to 16 units (128 channels) can be controlled with only one control line.

There are three ways to control the 1788A remotely:

- 1) Via the 1788RC - hardware remote controller
- 2) Via PC or Mac running the 1788SW controller software (Win 95/98/2000/XP® or Mac OS X® compatible)
- 3) Via any device that generates MIDI, such as a MIDI controller, mixer, sequencer or show control system

1788RC Remote Controller



Aphex Proprietary Technologies

MicLim™ is a patented limiter circuit on the mic output - a mic level limiter that speeds setup and makes the 1788A virtually crash-proof. MicLim allows you to set gain for maximum noise performance without having to back off for headroom, and eliminates the need for constant gain riding. Plus fiber or digital systems can be driven at levels that yield maximum resolution without fear of overload.

LeNA™, the digitally controlled Low Noise Amplifier, allows the 1788A's input gain to be adjusted remotely without noise or glitches. This patented Aphex circuit changes level in 1/4dB steps with 1dB stops. Other remote controlled preamps use relay switching with step sizes as high as 10dB. Even a step size of 1/4dB without LeNA will cause an audible click or pop that at high gains could be explosive!

1788RC Power Supply & I/O Box



Audio Quality

The 1788A provides 8 balanced Jensen® transformer-coupled microphone preamplifier inputs which offer audiophile sound quality far in excess of the mic preamps used in most mixing consoles. It also provides two separately trimmable analog outputs for each channel. The optional digital output module allows simultaneous output of 24 bit AES/EBU, T/DIF® and ADAT® Optical.

These A/D converters are selectable up to 96kHz and are Aphex proprietary "Drift Stabilized" (patented) which eliminate the need for high pass filtering in the digital domain. Because the inputs to the A/D converters are trimmed exactly to the outputs of the preamp, digital resolution can be maximized without fear of crashing. This makes the 1788A the perfect front end to any DAW, fiber system or digital console.

1788SW Software for PCs

