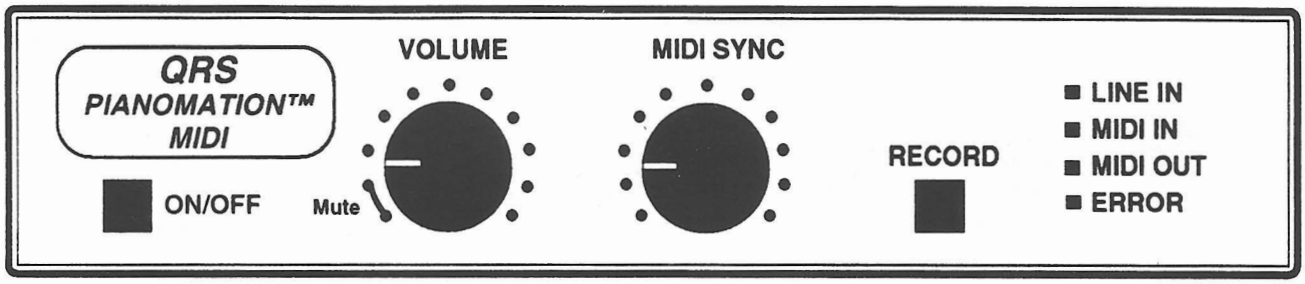
PART II Chapter 14. Control Box Description



ON/OFF

The main power switch is a lighted push button switch. Pushing inward on the switch will turn the system on. When the system is on the light will be illuminated. Depress the switch to turn the system off. The light will be off at this time.

VOLUME

The volume knob has several variable settings determined by the user. When set fully counter clockwise the piano will not play, but still receive incoming MIDI messages. This is a nice feature for playing along with the background accompaniments. Turning the volume clockwise will slowly increase the power to the solenoids thus making the piano play louder. The volume is adjusted internally by compressing MIDI velocity information (i.e., A note played at a velocity of 127 will drop to a velocity of 47). The factory recommended setting for the broadest expression range is achieved when the knob is set at the 1:00 position.

MIDI SYNC

The MIDI SYNC function permits the synchronization of electronic MIDI sound generators (i.e., sound module, keyboard) with the mechanical sound generator (piano). This knob is activated when dip switch 3 turned "ON". The dip switch is located on the processor board. A MIDI electronic device responds instantly to an electrical impulse while a mechanical piano is not as instantaneous. The MIDI SYNC knob will delay the play of the piano and also control the amount of delay going through the MIDI OUT. The knob should be set approximately at the 12:00 position for background accompaniment on compact discs.

RECORD

The Record switch will activate the ANALOG OUT feature on the back panel. When lit, the system is in analog record mode. Any MIDI device (i.e., 88 note record strip, disk drives...) that is sending MIDI messages to the MIDI IN on the back panel can be recorded to any analog recording device (i.e., cassette, VCR, DAT...). Depress the switch to stop the record mode.

■ LINE IN

A steady green LED indicates the receipt of an analog signal from CDs, VCRs or any other analog recording device. No light indicates the absence of a signal. A flashing green light indicates a transmission problem.

■ MIDI IN

A pulsating green LED indicates the receipt of a MIDI signal from the MIDI IN port located on the back panel. No light indicates the absence of a signal.

■ MIDI OUT

A pulsating green LED indicates the transmission of a MIDI signal. This pulsates when the system receives analog or digital information. No light indicates the absence of a signal.

■ ERROR

The red Error LED will do two things. It will come on when an error is detected in the incoming MIDI data stream or blink when the system is malfunctioning. Power the system OFF and ON to reset the system. The error light is lit temporarily when the system is powered up.

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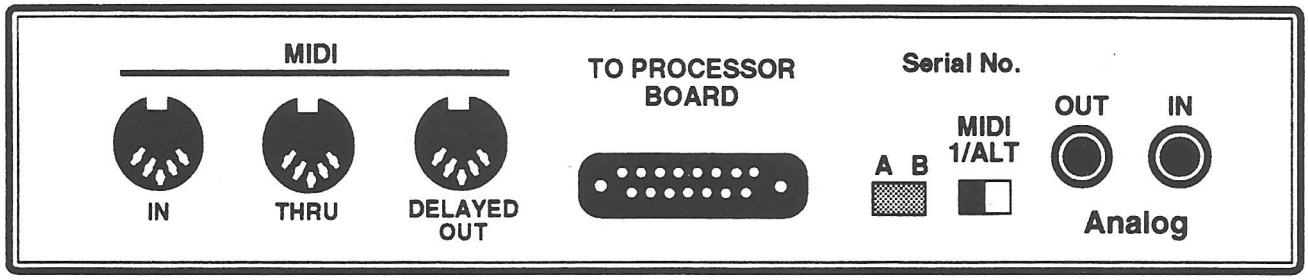

MIDI IN

The MIDI In port allows the piano to receive MIDI messages from other MIDI devices such as personal computers, floppy disk drives and MIDI keyboards.

MIDI THRU

The MIDI Thru port passes all MIDI messages through to other MIDI devices. Prevents MIDI lag when several MIDI devices are chained together.

MIDI DELAYED OUT

MIDI DELAYED OUT is a delay feature in which all MIDI messages being output are delayed by a fixed amount. This fixed amount is determined by the setting on the MIDI SYNC knob (located on the front panel). This feature synchronizes the delay time of a mechanical sound generator with that of an electronic sound generator.

TO PROCESSOR BOARD

This port is for interfacing the User Control box to the CPU of the Pianomation MIDI system. This is pre-wired at the time of installation.

A B

When in the "A" position channel one information is sent to the MIDI OUT
When in the "B" position channel one information is stripped from the MIDI OUT

MIDI 1/ALT

Selects whether the piano responds to MIDI Channel 1 or an alternate channel. The alternate channel may be a fixed default or changed by a dip switch. See page 30 for configuring your processor board

OUT

ANALOG OUT enables you to store MIDI IN messages onto any analog recording device (i.e., Cassette, VCR, DAT...).

IN

The IN port receives prerecorded analog signals found on QRS CD's, VCRs and other magnetic tape devices.

SERIAL NO. XXXXX

The serial no. is needed when sending in the warranty card.