



The MPU-101 converts MIDI data into analog signals. Connecting the MPU-101 to a MIDI sending unit, up to four conventional 1-volt/octave CV/gate synthesizers can be controlled by MIDI data.

The MPU-101 has four output channels, each with pitch control voltage, gate signal, and dynamics control signal outputs. There are also control voltage outputs for bender, modulation, after touch, and volume. Voltage-controlled devices other than synthesizer, including lighting equipment, can also be controlled. And the gate signals can also be used as trigger signals to control other devices.

The MIDI channel can be assigned to one of 1 to 16. A MIDI Out jack is provided in addition to the MIDI In and Thru jacks. Up to 8 CV synthesizers can be controlled by combining two MPU-101's.

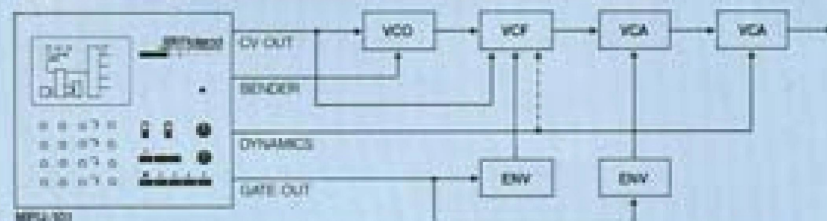
Five operation modes are provided for a variety of applications.

1. Mono Mode: Four CV synthesizers can be controlled by MIDI data transmitted on four different MIDI channels.
2. 2-Voice Mode: MIDI data for up to two notes is converted into CV/gate signals and comes through outputs 1 and 2.
3. 3-Voice Mode: MIDI data for up to three notes is converted into CV/gate signals and comes through outputs 1, 2, and 3.
4. 4-Voice Mode: MIDI data for up to four notes is converted into CV/gate signals and comes through outputs 1, 2, 3, and 4.

When the connected MIDI sending unit is in the poly mode, three different assign modes are accessible, then the MIDI key information can be assigned to four outputs in three different ways. An Octave Transpose function simultaneously shifts the pitch control voltage of four CV outputs one octave up or down.

TYPICAL SET-UPS

- Typical usage of the bender and dynamics signals



- To control a percussion sound source and sampling machine by the gate signals



SPECIFICATIONS

- MIDI Channel Selector: 1 to 16
- Octave Transpose: L/M/H
- Assign Modes: I/II/III
- Operation Modes: Mono, 2-Voice, 3-Voice, 4-Voice, Special
- Hold: Disable/Enable
- Clear: Push On
- Tune: On/Off Switch, Control (± 100 cents)
- Output Jacks (Voltage): CV (-3 to +7.58V) x 4, Dynamics (0 to +10V) x 4, Gate (Off: 0V, On: +14V) x 4, Bender (-1 to +1V), Modulation (0 to +10V), After Touch (0 to +10V), Volume (0 to +10V)
- Indicators: Power, Gate x 4, Hold, Operation Mode x 5 (Mono, 2-Voice, 3-Voice, 4-Voice, Special)
- MIDI Jacks: In, Out, Thru
- Dimensions: 226(W) x 81(H) x 226(D) mm (8.9" x 3.2" x 8.9")
- Weight: 2.1 kg (4.6 lb.)
- Accessory: 1.5m MIDI cable

