

Roland
WE DESIGN THE FUTURE

JUNO-106

PROGRAMMABLE POLYPHONIC SYNTHESIZER



ELECTRONIC MUSICAL INSTRUMENTS

1006

61-Key, 6-Voice Polyphonic Synthesizer

Fully Compatible with the MIDI Standard



JUNO-106

PROGRAMMABLE POLYPHONIC SYNTHESIZER

MIDI

The JUNO-106 is a completely new polyphonic synthesizer that accepts all MIDI information. The JUNO-106 features three MIDI jacks on the rear panel—In, Out, and Through—as well as a Function switch used to select the send and receive mode for I KYBD, II KYBD + BENDER + PGM CHANGE, or III ALL. The settings of all front panel controls (LFO, DCO, HPF, VCF, VCA, ENV, and Chorus) can be sent and received using the Exclusive Message in the ALL mode. There are sixteen MIDI channel select buttons on the front panel. Thanks to these superb functions, you can connect the JUNO-106 with any MIDI-equipped synthesizer or sequencer. Several MIDI devices can then be simultaneously controlled using the MIDI Through jack. All instrumental parts of a composition can also be performed using the data stored in a computer.

ELEMENTAL PARTS

The JUNO-106, 61-key, 6-voice polyphonic synthesizer is easy to operate and packed with exciting functions. The JUNO-106 features a highly stable DCO, the same kind as used in Roland's famous JX-3P and JUNO-60.

There are 2 groups (A and B) with 8 banks stored in each group. Each bank stores 8 patches for a total of 128 patch memories. All the LFO, DCO, HPF, VCF, VCA, ENV, and Chorus settings can be memorized. A cassette interface is provided to allow all program data to be stored on a cassette tape. Since the program data of groups A and B are saved and loaded independently, it can be combined or rearranged as you like. A memory protect switch is provided to prevent the program data from being accidentally erased.

PROGRAM MEMORY

The DCO's waveforms and ranges are selected by touch pads and the PWM, Sub-Oscillator, Noise and LFO controls are adjusted by sliding controls. The tone color is tailored at will by both VCF and HPF. And the VCA has a level slider and ENV/Gate select switch. A Chorus effect is provided to reproduce realistic string or organ sounds. And for the first time in this price class, the JUNO-106 features a portamento function that is effective for both live performances and multitrack recording.

SPECIFICATIONS

- **Keyboard:** 61 keys (5 octaves, C-scale)
- **DCO:** Waveforms (TL, /), Range (16'/8'/4'), PWM, PWM mode (LFO/Manual), LFO modulation, Sub-OSC level, Noise level
- **HPF:** Cutoff frequency (0/1/2/3)
- **VCF:** Cutoff frequency, Resonance, Key follow (0~100%), ENV modulation, ENV polarity (Λ, V), LFO modulation
- **VCA:** Control signal (Λ, /), VCA level
- **ENV:** Attack time (1.5 ms~3 s), Decay time (1.5 ms~12 s), Sustain level (0~100%), Release time (1.5 ms~12 s)
- **LFO:** Rate (0.1~30 Hz), Delay (0~3 s)
- **Chorus buttons:** Off, I, II
- **Others:** Key transpose, Assign mode (Poly-1/Poly-2), MIDI channel (1~16)
- **Controllers:** Portamento time, Portamento (on/off), Volume, Bender lever, Bender sens (DCO), Bender sens (VCF), LFO trig sens (DCO)
- **MEMORY SECTION**
 - **Buttons:** Patch number (1~8), Bank number (1~8), Group select (A, B), Manual, Write, Save, Verify, Load
- **Multi-Purpose Indicator:** 7-segment LED x 2
- **REAR PANEL**
 - **Jacks:** Outputs (phone x 2), Headphones, Pedal hold (DP-2), Patch shift (DP-2), Save, Load, MIDI input, MIDI output, MIDI through
 - **Switches:** MIDI function (1/2/3), Memory protect
 - **Control:** Tune (±50 cent)
 - **Dimensions:** 992(W) x 120(H) x 320(D) mm (39.1" x 4.72" x 12.6")
 - **Weight:** 10.0 kg (22.0 lb)
 - **Accessory:** 2.5 m connection cord x 1

REAR PANEL



Typical set-ups using MIDI

A. JUNO-106 + Other MIDI Keyboards



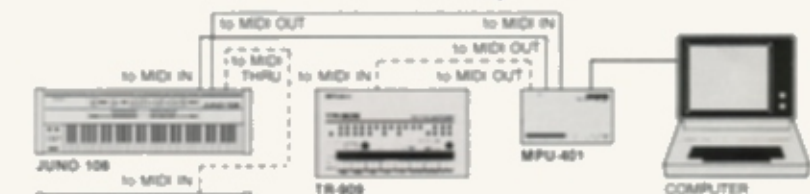
The JUNO-106 can control another MIDI keyboard. By connecting with its MIDI THRU jacks, the JUNO-106 can also control more than one MIDI keyboards simultaneously. If the keyboards are then set to produce string sounds, a full-bodied sound similar to that of a full orchestra can be obtained.

B. JUNO-106 + MSQ-100



When the JUNO-106 is connected with the MSQ-100 MIDI DIGITAL KEYBOARD RECORDER, the MSQ-100 can memorize the JUNO-106's performance data. If two JUNO-106 units are assigned different MIDI channels when writing performance data into the MSQ-100, the two JUNO-106 units can simultaneously perform two different instrumental parts.

C. JUNO-106 + MPU-401 + Computer



The MPU-401 MIDI PROCESSING UNIT allows the JUNO-106 to be connected with a computer to dramatically expand your music potential. For example, you can perform all instrumentation parts automatically using the data stored in the computer.

OPTIONS

A Polyphonic Digital Sequencer for MIDI Instruments

MSQ-100 MIDI DIGITAL KEYBOARD RECORDER

The MSQ-100 can memorize up to 6,100 notes and other information required for musical performance. It features both real-time loading and step loading, which can be combined according to need. In the real-time mode, overdubbing is possible. New data can be written over previously loaded data as many times as desired. It is also possible to overdub only one measure as if the MSQ-100 were an MTR. The MIDI channel shift function allows one MIDI channel to be changed to another as data is loaded. And several edit functions enable previously loaded data to be easily modified at will.

SPECIFICATIONS

- Memory capacity: Approx. 6,100 single notes without key velocity
- Mode switches: Play Only, Load/Play, Data Transfer
- Clock switch: INT/MIDI/SYNC
- Tempo control: $\text{♩} = 35$ to 240
- Metronome level switch: High/Low/Off
- Controls: Load button, Reset/Verify button, Stop/Shift button, Play/Save button, Repeat Play/MIDI/Tape button, Back Measure/Back Step/←/Copy button, Forward Measure/Forward Step/→/Erase button, Tie/Load Mode/Insert button, Rest/Display/Delete button, Measure End/MIDI Channel Shift/Tempo Check button
- Load modes: Real-time (4/4, 3/4,



- Liquid crystal display: 1
- Function switches: Metronome Beat (♩), Key Velocity (on/off), Bender/Control Change (on/off), After Touch (on/off), MIDI Out (Mix Out/INT Only), MIDI Out/Thru (Out/Thru), Tape Save Level (L/H), Tape Load Mode (I/II)
- Jacks: Tape Load, Tape Save, MIDI In, MIDI Out, MIDI Out/Thru, DIN Sync In, DIN Sync Out, Start/Stop (DP-2), DC In
- Dimensions: 226(W) × 57(H) × 223(D)mm (9.0" × 2.2" × 8.8")
- Weight: 1.8kg (4.0 lb.)
- Accessories: AC adapter (PSA series), MIDI/Sync cable (1.5m) × 2

Our Newest Rhythm Machine can Memorize 96 Rhythm Patterns

TR-909 RHYTHM COMPOSER

96 rhythm patterns can be memorized—48 patterns in each of two banks. Each bank has four tracks for storing programmed rhythm chains of up to 896 measures in length. Several controls, such as Tune or Level, are provided to accurately tailor the sound of 11 different sound sources. A Shuffle function and Flam effect are also provided to create a full variety of drumming. And the MIDI allows the TR-909 to be connected with the JUNO-106.

SPECIFICATIONS

- Number of memorizable rhythm patterns: 96 patterns—(16 patterns × 3 pattern groups × 2 banks (bank I, II))
- Number of tracks: 4 tracks (continuous: max 896 measures) × 2 banks (bank I, II)
- Number of steps: 1~16 steps
- Sound Sources (controls): Bass Drum* (Level, Tune, Decay, Attack), Snare Drum* (Level, Tune, Tone, Snappy), Low Tom* (Level, Tune, Decay), Mid Tom* (Level, Tune, Decay), High Tom* (Level, Tune, Decay), Rim Shot (Level), Hand Clap (Level), Closed*/Open Hi-hat (Level, Decay), Crash Cymbal (Level, Tune), Ride Cymbal (Level, Tune)
- *marked sound sources can be accentuated



- independently.
- Master Outputs: L, R/Mono (6 Vp-p, 1kΩ)
- Multi-Outputs: Bass Drum, Snare Drum, Low Tom, Mid Tom, High Tom, Rim Shot, Hand Clap, Hi-hat, Crash, Ride
- MIDI Jacks: Input × 1, Output × 2
- Tape Memory/Sync Jacks: Save/Out, Load/In
- For EXT control: Trigger Out Jack (Rim Shot: +14V, 20 ms pulse), Start/Stop Jack (DP-2), Sync In Jack (5-pin DIN), RAM Cartridge Slot (M-64C only)
- Dimensions: 486(W) × 105(H) × 300(D)mm (19.1" × 4.13" × 11.8")
- Weight: 4.5kg (9.9 lb.)
- Accessories: Power cord, Connection cord

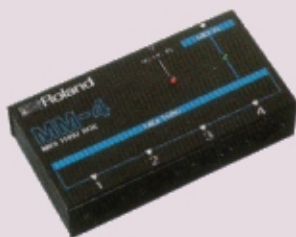
Parallel Connection Box for MIDI Devices

MM-4 MIDI THRU BOX

The MM-4 is a parallel connection box for MIDI devices. It enables one MIDI device to control up to four other MIDI devices. The MIDI data indicator allows you to check all MIDI data. It's easy to connect and allows you to accurately control several MIDI devices simultaneously.

SPECIFICATIONS

- MIDI IN jack: 1
- MIDI OUT jacks: 4
- MIDI data indicator (green): 1
- Power indicator (red): 1
- Power: DC 9V (BOSS AC Adapter PSA series)



- Dimensions: 138(W) × 37(H) × 72(D) mm (5.43" × 1.46" × 2.83")
- Weight: 300 g (10.6 oz.)

AB-1 CARRYING CASE



A resin-molded carrying case for the JUNO-106

*Specifications and appearance subject to change without notice.