**EX-800 SPECIFICATIONS**

- **OSC**: 8 Voice (WAVE mode), 3 Voice (WAVE mode)
- **VCO**: Octave (0.5, 1.0, 2.0, 4.0, 8.0, 16.0), Waveform (1-8, 7, 5, 3, 2)
- **LFO**: Octave (0.5, 1.0, 2.0, 4.0), Waveform (1-8, 7, 5, 3, 2)
- **AD**: 8 Voice (WAVE mode), 3 Voice (WAVE mode)
- **FX**: Multi-effects, Reverb, Chorus

**TYPICAL CONNECTIONS**

1. **Using the POLY-800 or other MIDI synths to control the EX-800.**

   - Connect MIDI synths to the EX-800's MIDI IN jack using a MIDI cable. Connect the audio output of the EX-800 to the MIDI synths' audio input. This will allow you to control the EX-800 from the MIDI synths. If you want to control the EX-800 from a computer, you can use a MIDI interface to connect the EX-800 to the computer's MIDI IN/OUT jacks. This will allow you to control the EX-800 from software running on the computer.

2. **Using a remote keyboard to control the EX-800.**

   - Connect the MIDI OUT jacks of the keyboard to the EX-800's MIDI IN jacks. This will allow you to control the EX-800 from the keyboard. If you want to control the EX-800 from a computer, you can use a MIDI interface to connect the keyboard to the computer's MIDI IN/OUT jacks. This will allow you to control the EX-800 from software running on the computer.

3. **Synchronized performance between POLY-800 sequencer and EX-800.**

   - Use the POLY-800's SEQ OUT jacks to output the sequencer's MIDI data. This will allow you to control the EX-800 from the POLY-800's sequencer. If you want to control the EX-800 from a computer, you can use a MIDI interface to connect the POLY-800's SEQ OUT jacks to the computer's MIDI IN/OUT jacks. This will allow you to control the EX-800 from software running on the computer.

4. **Using a MIDI-equipped digital sequencer to control the EX-800.**

   - Connect the EX-800's MIDI IN jacks to the MIDI OUT jacks of the sequencer. This will allow you to control the EX-800 from the sequencer. If you want to control the EX-800 from a computer, you can use a MIDI interface to connect the EX-800's MIDI IN jacks to the computer's MIDI IN/OUT jacks. This will allow you to control the EX-800 from software running on the computer.

5. **Using a personal computer to play the EX-800.**

   - Connect the EX-800's MIDI IN jacks to the MIDI OUT jacks of the computer. This will allow you to control the EX-800 from software running on the computer. If you want to control the EX-800 from a computer, you can use a MIDI interface to connect the EX-800's MIDI IN jacks to the computer's MIDI IN/OUT jacks. This will allow you to control the EX-800 from software running on the computer.

**NOTICE**

- The product is covered by a limited warranty. For details, please refer to the warranty card. For repair or replacement, contact your nearest KORG dealer or contact KORG directly. Please have the model name and serial number ready.

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**SHED ELECTRONIC LABORATORY CO., LTD.**

**KORG ELECTRONIC LABORATORY CORP.**

Printed in Japan
Playable via any MIDI keyboard such as the Korg POLY-800 or RK-100. Has eight voices, 64-program memory, built-in 256-step sequencer, and tape interface. Dual DCOs and triple A.D.B.S.S.R. DEGs create rich tones.

**EX-800 PROGRAMMABLE POLYPHONIC SYNTHESIZER MODULE**

The KORG EX-800 is an 8 voice programmable synthesizer module that works as a sound source for any MIDI equipped synthesizer (such as the KORG POLY-800 or the new RK-100 Remote keyboard). This rack mountable expander module has 64-program memory, built-in 256-step polyphonic sequencer, 14 second tape interface, "WHOLE" and "DOUBLE" (layering) Playing modes, and triple six-stage Digital Envelope Generators (DEGs). Interfaced with another MIDI equipped synthesizer or personal computer, the KORG EX-800 will respond to key data, pitch bends, modulation, sequencer clock input, program number change, volume, and "COMPU-DUMP" function (i.e., loading/unloading program and sequencer data to a computer). Besides MIDI IN and MIDI OUT, the EX-800 also has a MIDI THRU jack, essential for multi-unit system connections.

1. **Power/Volume**
2. **Tuning**
3. **Sequencer**

1. Automatically plays up to 256 notes.

4. **Programmer**

   - Used to select any one of 64 programs stored in the EX-800 (11 through 68).
   - Program/Parameter switch Enables keypad to select Program or Parameter number.
   - Write switch Used to write program data.
   - Value UP/DOWN Switches Used to raise or lower parameter values.
   - Bank Hold Allows single digit entry for Program or Parameter selection.
   - Display Shows Program number, Parameter number, and Parameter Value.
   - Number select button

5. **Parameter Index**

   - Shows Parameter names, numbers, and ranges.
   - DCO 1, 2
   - DCO 2 pitch can be set to any interval above DCO 1 in semitone steps over an octave.
   - Mode
   - Used to select 9-note polyphonic key assign (1 DCO per note) with individual note articulation, or 4-note polyphonic key assign (2 DCOs per voice) to produce a fuller sound.
   - Noise
   - White Noise Source.
   - VCF
   - This precision 24db/oct filter includes: Keyboard Tracking, Single or Multiple Triggering, and "+" & "-" envelope contouring via DEG3.
   - CHORUS
   - DEG 1, 2, 3 These Digital Envelope Generators have six parameters (ATTACK, DECAY, BREAK POINT, SLOPE, SUSTAIN, RELEASE) for more accurate simulation of complex envelopes. Since each oscillator has its own envelope generator, "layered" sounds can also be created.

6. **Tape Interface**

   - Allows you to store all program and sequencer data onto tape in as little as 14 seconds.
   - SAVE
   - Used when recording program and sequencer data on tape.
   - LOAD
   - Used when loading program and sequencer data from tape to EX-800.
   - VERIFY
   - Enables you to check program and sequencer data for proper transfer onto tape or into EX-800.
   - CANCEL
   - Resets tape interface functions in case of error.

**Connecting Chart**

- Midi THRU
- Midi IN/OUT
- Midi in/out
- Program switch
- Tape interface switch
- Tape Recorder, etc.
- Headphone jack
- Output jacks (L/MONO, R)
- AC adapter jack

The EX-800 is designed to be controlled by a MIDI equipped keyboard, sequencer, or other control device. Simply connect the EX-800's "MIDI IN" to the "MIDI OUT" jack of the MIDI equipped device. The EX-800 will respond to the following data:

- Key data
- Pitch bend
- Program change
- Channel
- Controller data
- Volume
- Pan
- Effect
- Expression
- Pitch wheel
- MIDI OUT

Output to dump contents of memory to computer (memory save and error messages).

- MIDI THRU

   - Permits transfer of data to or from a computer in as fast as 1 second.