

# Roland Computer Music Products

---

*For Your Personal Computer*

*Roland would like to introduce you to a new line of digital music products designed especially for personal computer users. Providing an enormous amount of music making power right at your fingertips, these exciting peripherals enable anyone to enjoy and create professional-sounding music, whatever your level of musical interest.*

 Roland®

# Music for Personal Computers

## SCC-1

### GS Sound Card

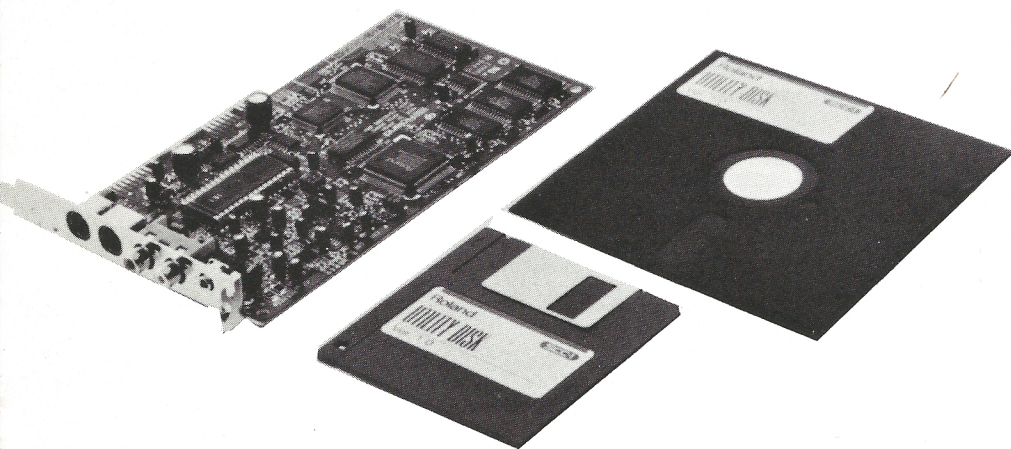
The SCC-1 GS Sound Card is a sound synthesizer and MIDI interface for IBM-compatible personal computers, incorporating new Roland digital sound sampling technology. The SCC-1 provides a great selection of high-quality musical instrument sounds and sound effects that you can use with

multimedia and other computer music applications. The SCC-1 contains 317 incredibly realistic acoustic and electronic instrument sounds, plus nine separate drum sets and a set of sound effects. On-board digital reverb/delay and chorus help recreate naturally occurring room ambience for each instrument. The

Components include PC sound cards, PC MIDI interfaces and external sound modules that can be used with any MIDI-equipped system.

All use sound synthesis and sampling technology found in Roland professional-level electronic musical instruments.

SCC-1 can simultaneously produce the sounds of up to 16 different individual and ensemble instruments. With 24-voice polyphony, you can create rich, full orchestrations in virtually any musical style.



## CM-300/500

### GS Sound Modules

The CM-300 and CM-500 are compact, high-quality MIDI sound modules specifically designed for use with personal computers in multimedia presentation, education and entertainment applications. Their external "modular" design makes them suitable for expanding existing MIDI systems and cards, as well as for Macintosh, Atari and Amiga systems. Like all CM-series products, the CM-300 and CM-500 have a clean and simple design that makes them easy to use in

the business or home

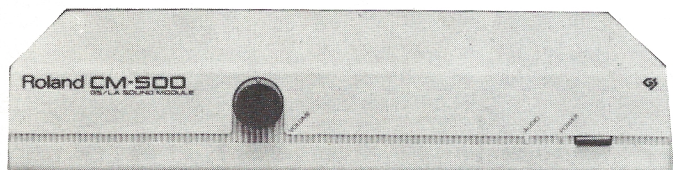
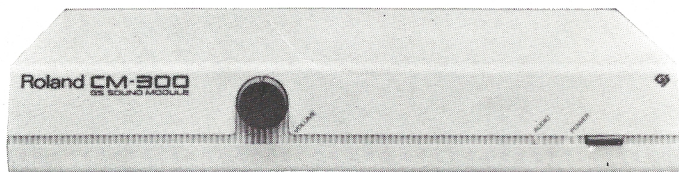
environment. Both the CM-300 and CM-500 are GS format compatible so they are instantly supported by all software available for GS and General MIDI products, including a wide variety of sequenced song data available from many sources. The CM-500 also incorporates LA synthesis sounds, making it even more flexible and providing compatibility with more of today's computer music applications, song files and games.

#### Compatible With More Software

- GS-format, General MIDI and MPC  
Roland's SCC-1, CM-300 and CM-500 support the GS-format for MIDI song data and are also compatible with General MIDI and MPC MIDI applications.

- MT-32 Compatibility  
These new GS-format instruments can be used with PC games and other software that contain music originally written for Roland's MT-32 family of products. However, music that does not use the MT-32 preset sounds (many games do not) will not be compatible. The CM-500, however, is 100% compatible with all games and music written for the MT-32/CM-32L and LAPC-1.

- MPU-401 Compatibility  
All of Roland's PC Sound Cards and Interfaces are MPU-401 compatible, which means they are supported by more software than any other PC Sound products.





## PC-200<sub>mkII</sub> MIDI Keyboard Controller

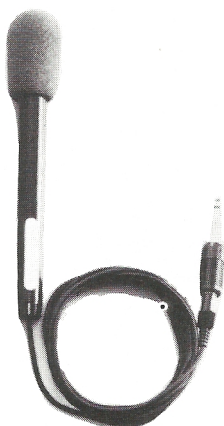
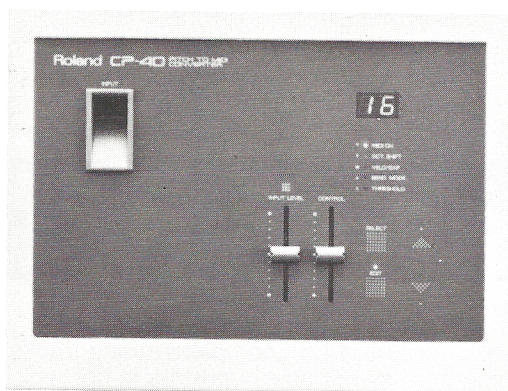
The PC-200 mkII MIDI Keyboard Controller is perfect for data input and realtime recording in computer music applications. The 49-note keyboard is velocity-sensitive and offers versatile control functions that are ideally suited to GS format sound sources such as the Roland CM-300 GS Sound Module, and the SCC-1 GS Sound Card. There is an Octave Up/Down function that covers a 6-octave range, a Sustain Switch jack, and a Bender/Modulation lever

as well. Accommodating all 16 MIDI channels, the PC-200mkII transmits Program Change messages, and lets you select Capital and Variation Tones from a GS sound source directly, as well as control chorus and reverb depth. Various MIDI messages such as Velocity, Aftertouch, Volume, Pan and others can be sent to external sound sources as well via the PC-200mkII's Data Entry slider.



## MA-12C Micro Monitor

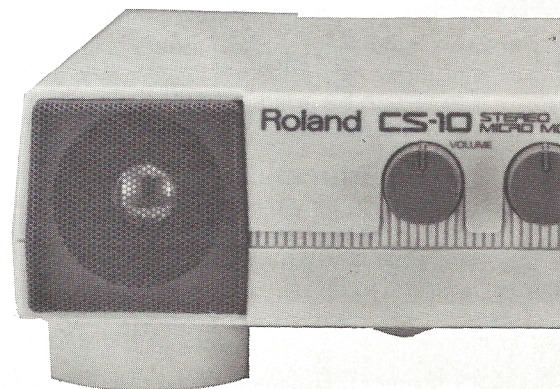
True, trustworthy sound amplification for your computer music system can be had with this small but powerful monitor. Featuring a four-inch speaker and ten-watt RMS power amplifier, there are three inputs for maximum flexibility: one for a microphone, one for an instrument, and a third for any line-level source. Low and high boost controls with active circuitry enable fine tuning of equalization for a sound that will be acceptable to the most discerning listeners. The MA-12C is magnetically shielded, enabling you to place a pair right next to your CRT display for full, stereo sound.



## CP-40 Pitch to MIDI Converter

Have you ever had a melody in your head, only to find out it didn't sound quite the way you thought it was going to when you tried to play it on an instrument? Now you can record melodies for your arrangements using your own voice and the CP-40 Pitch to MIDI Converter. The CP-40 converts the pitch of any

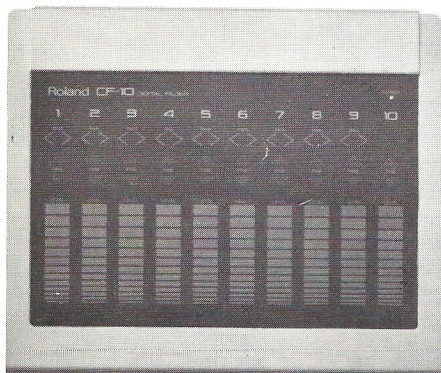
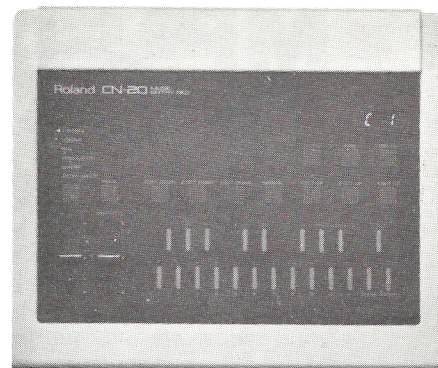
monophonic audio signal such as the human voice or a guitar to MIDI signals. This means you can hum or improvise a melody and hear it coming out as a trombone or whatever sound you select. With the CP-40 you can even control subtle dynamics just by the strength of your breathing.



# CN-20

## Music Entry Pad

Now you can have complete control of note entry and the editing of MIDI events in a way that does not require traditional keyboard performance skills. Most any chord type and any note over an 8 octave range is easily selected by name from front panel controls, providing an easy way to write MIDI data into a sequencer. A built-in multi-purpose fader can be assigned to control a variety of MIDI functions over any of sixteen MIDI channels, including volume, bender, modulation, and aftertouch.



# CF-10

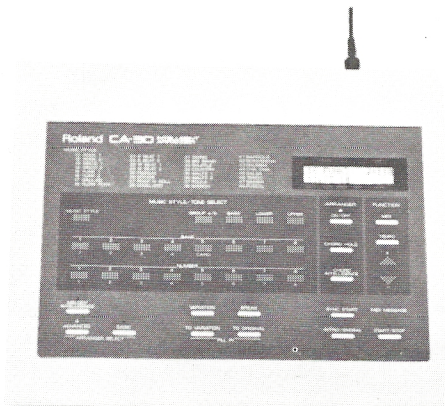
## Digital Fader

The CF-10 is a MIDI mixing device that provides you with real-time control over MIDI panning and volume data in a way similar to an automated mixing console. It was designed to enable you to mix MIDI song data containing up to ten multiple MIDI channels created on your computer using sequencing software or from an external MIDI sequencer. For each of the ten channels, the front panel offers touch faders for coarse volume settings, increment/decrement controls for stepped fine tuning, and panning controls. The CF-10 can be an indispensable component in the development of a true MIDI-based music production environment.

# CA-30

## Intelligent Arranger

Just play a simple melody or chord progression into the CA-30 using any MIDI input device, and you'll hear a complete musical accompaniment on any MT-32 compatible sound module. You can develop this music further if desired by editing it with a MIDI sequencer. Thirty-two popular musical styles are available to you (including rock, disco, latin, big band, polka, and reggae to name a few), and additional ones can be added with the optional Roland Style Card Library. With handy features like auto chording (you play single notes and the CA-30 will transform them into full chords), complete musical novices can have endless fun creating interesting a complex musical compositions quickly and easily.

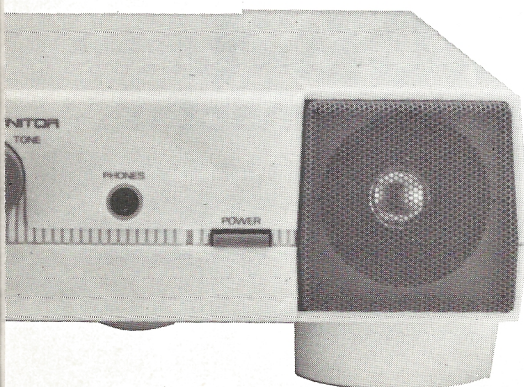


# CS-10

## Stereo Micro Monitor

The CS-10 Stereo Micro Monitor is an attractively styled, integrated stereo amplifier and speaker system that conserves desktop space by fitting perfectly under CM-Series modules or your computer's CRT. The CS-10 is equipped with two front-mounted speakers designed to clearly reproduce high and mid frequency sounds, and a single low frequency woofer positioned

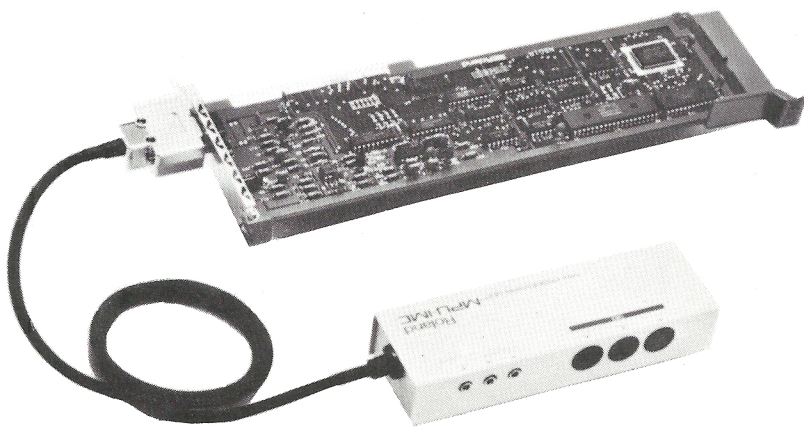
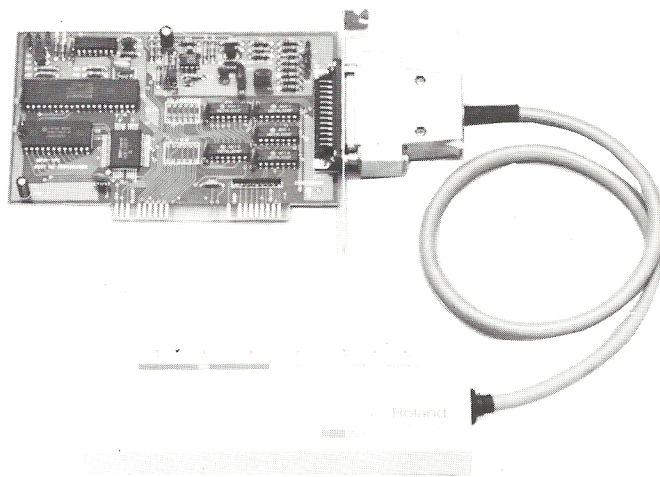
on the bottom of the cabinet handles low frequencies. The CS-10 is magnetically-shielded, preventing damage to data on floppy disks or distortion of the CRT display. Equipped with two stereo inputs for mixing sound sources, the CS-10 also provides a headphone output for private listening. The CS-10 offers a superb design that is ideal for desktop music systems.



# MPU-IPC

## MIDI Interface

The MPU-IPC is a MIDI processing unit equivalent in operation to Roland's MPU-401 Intelligent Interface. Designed to install in any IBM XT or AT compatible computer, it handles processing MIDI information between the computer and other MIDI devices. MIDI in, MIDI out, sync ports and metronome output connections are provided.



# MPU-IMC

## IBM Micro Channel MIDI Interface

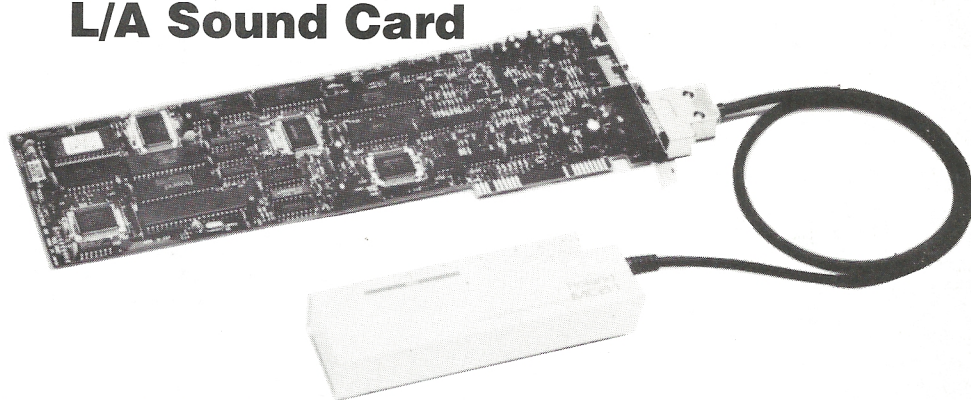
Designed for the IBM PS/2 Micro Channel Architecture, the MPU-IMC provides the same MIDI interface capabilities as Roland's MPU-IPC MIDI Processing Unit. MIDI In, MIDI Out, Tape Sync, and Metronome Out jacks are provided.

# LAPC-1

## L/A Sound Card

This popular tone generator and intelligent MIDI interface card gives you instant access to high-quality Linear/Arithmetic synthesized sounds, such as those found on Roland's popular MT-32 and CM-32C Multi-Timbral Sound Modules.

Featuring a full selection of impressive instrumental and percussion timbres as well as unique sound effects, the LAPC-1 can be used with many popular MIDI music and entertainment software packages, including computer game software from every major publisher for the best sounding music and sound effects. Eight separate instrument parts plus a rhythm part are available, with up to thirty-two voice polyphony—a total of 128 preset instrument sounds, thirty percussion sounds, and thirty-three sound effects are provided. Sounds can be edited using available MT-32 editing software packages. Stereo line output jacks for connection to amplifiers, as well as a mini stereo headphone jack, are provided making this powerful new add-on a must for serious computer gamers.

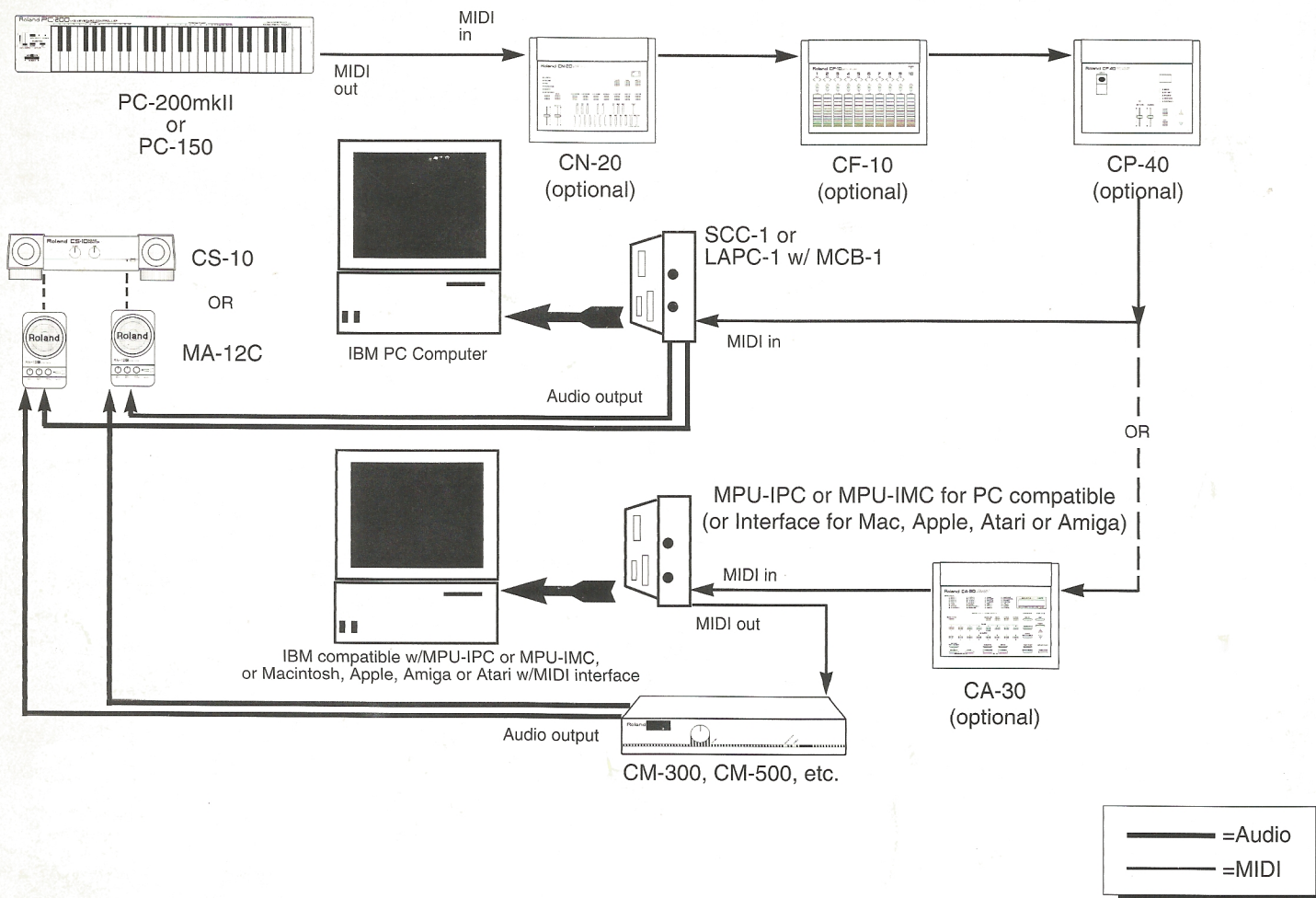


The optional MCB-1 MIDI Connector Box, transforms your LAPC-1 into a powerful music creation system capable of interfacing with other external MIDI musical instruments. The MCB-1 provides MIDI In, MIDI Out, Sync ports, and Metronome Out jacks and connects to the LAPC-1 via an included cable. The MIDI Input provides access to the LAPC-1 sounds from an external keyboard or other controller, while the MIDI Output can be used for playing additional external MIDI sound sources.

# MCB-1

## MIDI Connector Box

# Roland® CM Total System Set-up



Roland Computer Music Products produce truly realistic instrument sounds - up to a full symphonic orchestra! From the most complex professional music composition to exciting computer games - Roland Computer Music Products are the right choice!

## Computer Games

Today's popular action and adventure game software now features intense 256-color graphics with complete sound tracks, full of music and special effects. Many games have complete music scores, ranging from symphonic overtures to hot rock 'n' roll numbers, adding yet another dimension to the gaming experience.

## Business Presentations

From large corporations to the smallest businesses, people are using personal computers to control and produce more effective audio-video presentations. Roland computer music sound modules are designed to work in the business environment, during both the creation and presentation processes. Now original music can be created to match any mood or scene in a presentation. For presentation applications, Roland's Computer Music products provide the highest quality audio and music, and with substantially less storage requirements and greater flexibility than digitized audio.

## Personal Creativity

Roland's Computer Music products are perfect for anyone with a personal computer who wants to express themselves musically. With a wide variety of music software available, you can create and perform your own compositions, or orchestrate and arrange traditional favorites. Whatever you play can be recorded one step at a time or as you play (in "real-time"). Timing errors can be adjusted automatically, and any note can be changed in an instant. No matter what your skill-level is, Roland Computer Music will make you sound like a professional!

## Music Education

Learning to play music has become more fun and a lot more rewarding with the use of computers, with ear training, sight reading, music theory and music composition lessons all available. The extensive variety of music composition software available today makes music products ideal for anyone who wants to have fun learning to play music.