

YAMAHA

CP80M
CP70M
CP60M

ELECTRIC PIANOS with MIDI



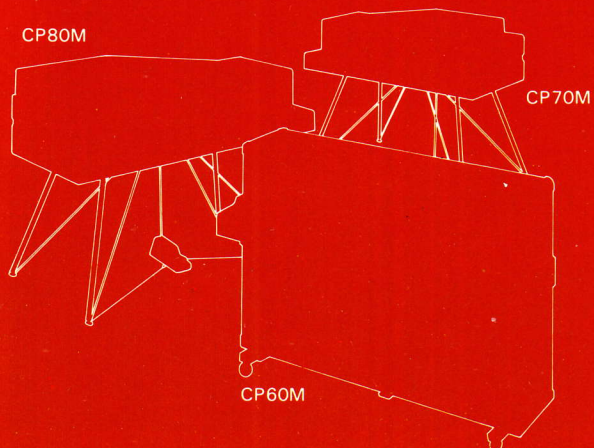
ACOUSTIC PIANO SENSITIVITY PLUS MIDI SYSTEM VERSATILITY

Almost a decade ago, Yamaha set a world precedent by introducing the CP70 Electric Grand Piano, an astounding innovation which transformed the sound of live concerts forever. For keyboard players who had been struggling to create an authentic piano sound electronically, or attempting to amplify acoustic pianos, it was nothing less than a miracle — a portable, powerful, totally expressive instrument with the authentic sound and playability of a fine concert grand piano.

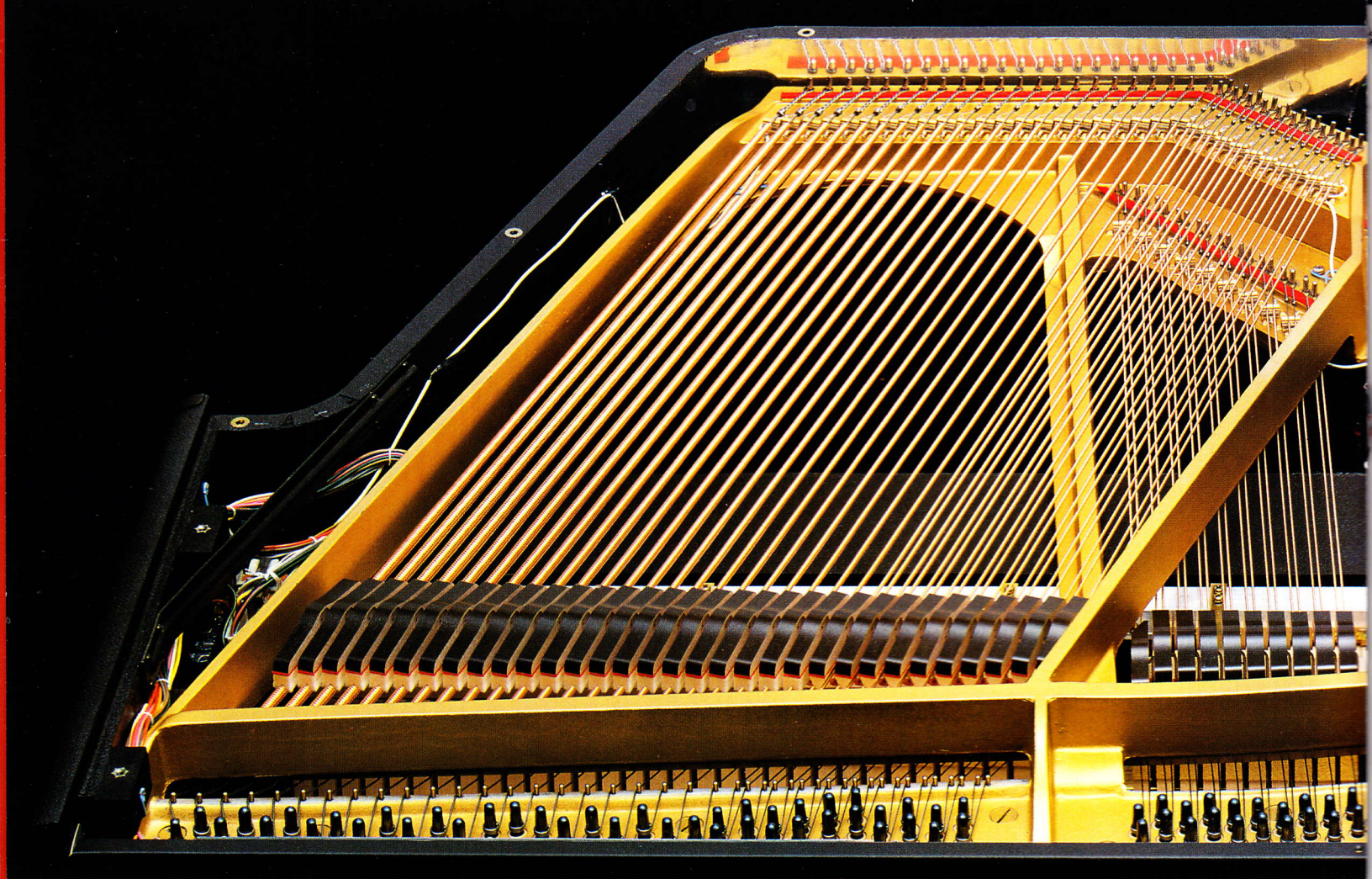
Since that time, music technology has advanced at an extraordinary pace, and Yamaha, keeping abreast of the times, announce another world precedent: the CP80M/70M/60M Electric Pianos with MIDI (Musical Instrument Digital Interface). For the first time, the possibility of playing any MIDI device from a true piano-action keyboard.

While playing a dynamic, sensitive piano with real strings and real hammers, add the rich, exciting sound of a synthesizer, or the pulsating beat of a digital drum machine. The traditional and the modern, blended together as never before.

Yamaha CP80M/70M/60M Electric Pianos with MIDI — superb examples of Yamaha's unique design approach: the finest acoustic instrument craftsmanship combined with the very latest in ultramodern digital technology.







DESCRIPTION

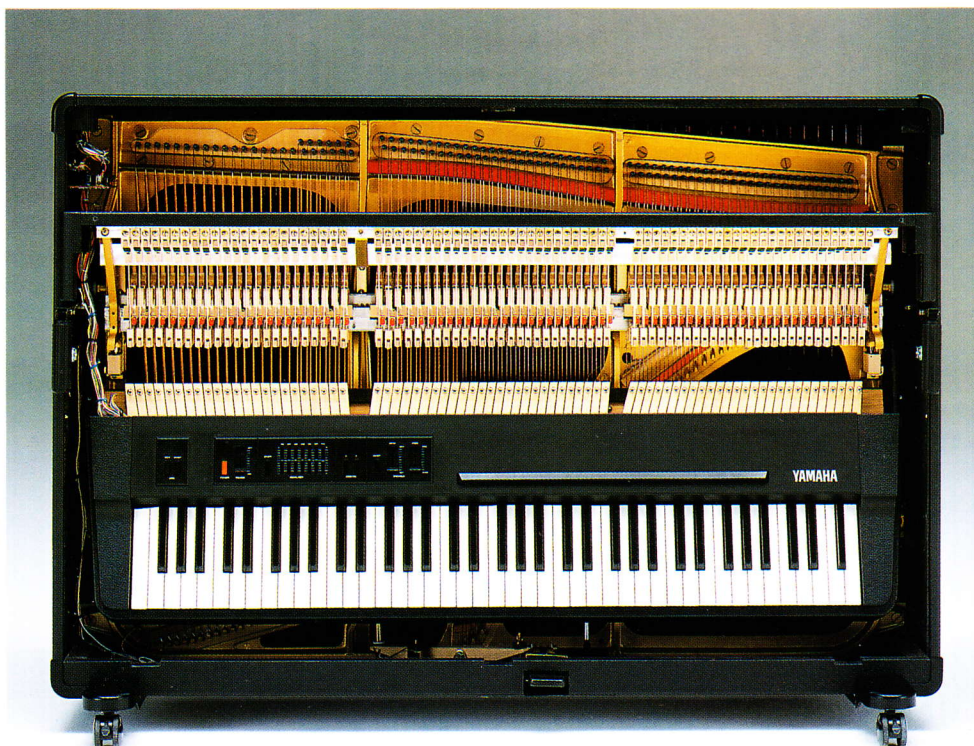
The CP80M/70M/60M Electric Pianos with MIDI are the culmination of almost a century of Yamaha acoustic piano craftsmanship, combined with Yamaha's expertise in electronic instrument design. For the first time, MIDI control capability is a feature of these exceptional instruments, allowing you to play a MIDI keyboard from what is essentially an acoustic instrument.

Designed for portability and the rigors of the road, these instruments are far lighter and more compact than conventional pianos, yet possess greater tuning stability and durability.

Solidly constructed frames, special short scale strings plus ideally weighted keys result in an action that has exactly the same feel and tone as an acoustic piano — totally natural, subtle, and expressive. The CP80M Electric Grand Piano, like a concert grand, has a full keyboard of 88 keys, while the CP70M is a compact 73-key model.

The new addition to the range is the CP60M Electric Upright Piano. Featuring the same top-quality sound and electronic circuitry as the Electric Grand Pianos, the CP60M is an incredibly compact instrument with a full 76-note fold-away keyboard for

effortless transportation. For many musicians, this will be their first opportunity to own and enjoy the unique sound of a Yamaha Electric Piano.

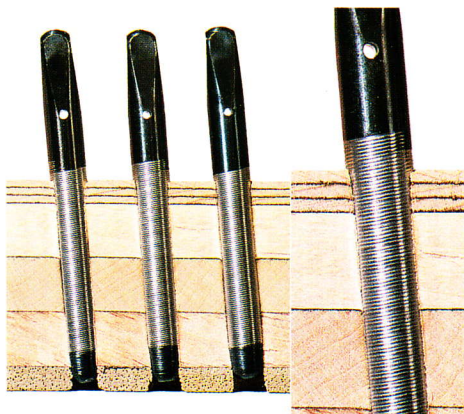


CP60M



TUNING

Concert halls and clubs are often hot, damp environments, and with this in mind, the CP Electric pianos are designed to have even more tuning stability than a regular acoustic piano. Yamaha's unique Humid-A-Seal pin block features an innovative multi-layered laminated construction, which significantly reduces any change in pitch due to varying temperature and humidity. The construction techniques used to strengthen the entire instrument also aid greatly in maintaining the torque of the tuning pins. Tuning can be carried out by any qualified piano tuner, using standard tuning tools.



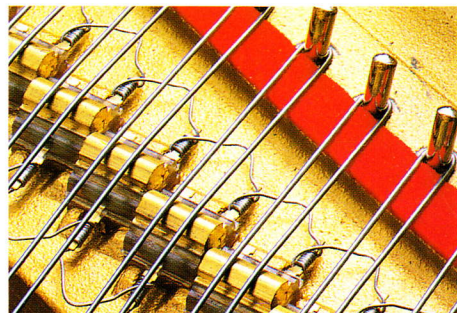
MECHANISM

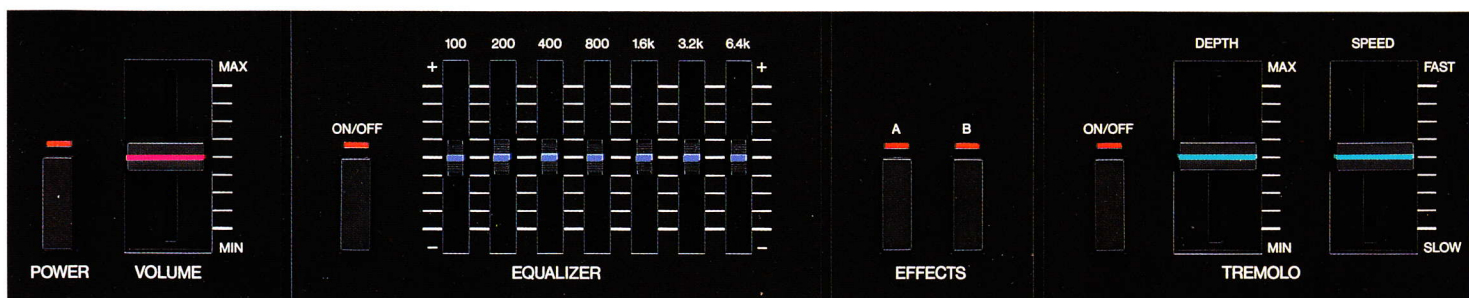
Yamaha's long experience in the construction of fine concert pianos resulted in the development of an action (mechanism) that was extremely touch responsive, yet hard-wearing and durable. This was the starting-point for the specially developed design of the CP80M/70M/60M Electric Pianos, which demanded even more durability and portability. The dampers have been improved for faster playability, and the hammers are covered in special synthetic buck-skin, for longer wear. The CP60M's upright construction and fold-away keyboard necessitated a new hammer design. The mechanically connected sustain pedal has a smooth, positive action enabling the finest nuances of pedalling techniques to be achieved.



PICKUPS

Amplifying a piano with microphones or independent pickups carries with it a variety of problems: feedback, pedal and hammer noise, uneven string response, loss of high frequencies. The CP80M/70M/60M design completely eliminates all these drawbacks. On the CP80M/70M, each string bridge is fitted with a high-performance piezo-electric pickup for faithful reproduction of the rich and complex harmonics of these acoustic instruments. The CP60M features equally faithful pickup system covering the string section. The result: unlimited amplification possibilities, bell-like clarity in the high frequencies, and an astonishingly powerful, clean bass response, all of which combine to provide a sound equal in intensity and controllability to any guitar or synthesizer.





CONTROL PANEL

The CP80M/70M/60M Electric Pianos are capable of producing a wide variety of dynamic tone colors, in addition to an authentic acoustic piano sound. The built-in graphic equalizer enables you to shape the sound of the instrument exactly to your requirements, whether you wish to finely adjust the tone to match the acoustics of a hall, or create your own individual timbre. Large, smooth action faders provide ± 12 dB of active equalization over seven octaves, and an EQ ON/OFF switch allows you to compare the "straight" sound with the sound you have created.

The Volume Fader allows you to adjust your personal monitoring level, without affecting the level of the direct signal to the PA system.

EFFECTS

Although the CP80M/70M/60M have the sound of true acoustic instruments, they are, of course, electric pianos, and their sound can be processed as easily as any synthesizer. Two independent send and return loops allow you to patch in an echo unit, flanger, chorus pedal, or any two effects devices, and you can instantly select each effect by pressing the switches on the control panel.

TREMOLO

To add further vibrancy to the rich sounds of the CP80M/70M/60M, a fully variable stereo tremolo is incorporated, (mono on the CP60M) with a speed range of approx. 0.8 to 10Hz. Large faders on the control panel allow you to vary its speed and depth. If you connect the Ch. 1 & 2 outputs of the CP80M/70M to two speakers, the sound will rotate between the speakers.



MIDI COMPATIBILITY

MIDI stands for Musical Instrument Digital Interface. The most exciting recent development in the field of synthesizers, it permits one keyboard to control another keyboard, or several keyboards, drum machines, reverberation units, or any devices that have MIDI compatibility. The CP80M/70M/60M are the first electrified acoustic instruments to have this capability. Simply by connecting the MIDI OUT terminal to the MIDI IN terminal of, say, a DX7 digital synthesizer, you can, while playing the piano keyboard, add the limitless tonal resources of the DX7 to the authentic piano sound. Key Velocity data is also sent, allowing the dynamics of your playing to control the DX7 as sensitively as an acoustic instrument, and the piano's sustain pedal can control the sustain of the DX7.

rupting your performance, so that you can switch instantly between a full piano/synthesizer combination and a solo piano sound. Note that, with MIDI, you can, in a matter of seconds, connect together several MIDI instruments, and play them all from the CP80M/70M/60M.



MIDI SPLIT

For even further sound versatility, a MIDI SPLIT feature is incorporated. This permits selection of an upper or lower note limit from which MIDI signals are transmitted. For example,

you can set the instrument so that below middle C (or any selected note) only the piano sound is heard, while the upper portion of the keyboard adds a DX7 vibraphone voice. Alternatively, the left section of the keyboard could feature a sustaining string voice, while a solo piano part is played in the high register. The MIDI SPLIT switch is also located near the left hand end of the keyboard.

POWER SUPPLY

The CP80M/70M/60M electric pianos operate at special low voltages, and two compact AC Adaptors are supplied with the CP80M/70M (only one with the CP60M). Performing in countries where the voltage is different from that in your area is simplicity itself, because Yamaha make AC Adaptors to match the line voltages of any country.



Photo: U.S. & Canadian model.

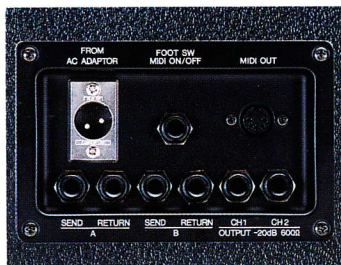
MIDI ON/OFF

The transmission of MIDI data can be instantly cancelled by using the MIDI ON/OFF switch conveniently located near the left hand end of the keyboard. In addition, an optional MIDI ON/OFF Footswitch allows you to switch the MIDI control on and off without inter-

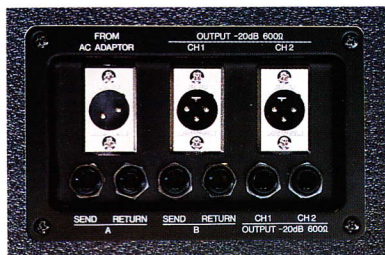
CONNECTING TERMINALS

Full monitoring capability is provided on the CP80M/70M/60M. Two balanced XLR-type outputs (CP80M/70M only) send a direct feed to the PA system. Two phone jack outputs can be connected to on-stage monitors. The volume fader located on the front panel is used to adjust the level of the signal sent to the PA. All terminals, including the power connec-

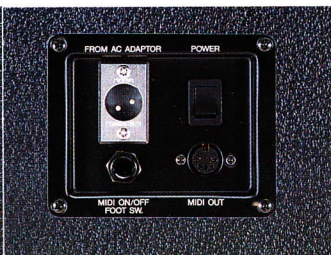
tors, are conveniently grouped together on the side of the instrument.



CP60M



CP80M/CP70M (Upper)



CP80M/CP70M (Lower)

READY FOR THE ROAD

The CP80M/70M models are built in two sections, each section separately encased for maximum protection and ease of carrying, and they can be assembled and dismantled in a matter of seconds. The upper section contains the strings and electronics, while the action occupies the lower section, which also functions as a case for the sturdy chrome-plated legs, the sustain pedal, and the AC adaptor. The CP60M, for even more rapid transportation, features a collapsible keyboard and folding carrying handles.



CP80M/CP70M

CP60M

SPECIFICATIONS

KEYBOARD

CP80M: 88 keys, 7 1/4 octave (A1—c5) **CP70M:** 73 keys, 6 octave (E1—e4) **CP60M:** 76 keys, 6 1/4 octave (E1—g4)

PICKUPS

Piezoelectric pickup system

CONTROL PANEL

Graphic Equalizer: Seven filters centered at 100, 200, 400, 800, 1.6k, 3.2k, 6.4kHz. Range ± 12 dB.

Tremolo: Speed Range approx. 0.8—10 Hz Depth. Range 15—40%

VOLUME Fader

CONTROL SWITCHES (all switches have LED's except MIDI POWER)

EQ ON/OFF, EFFECTS A & B, TREMOLO, POWER, MIDI POWER (CP80M/70M only), MIDI ON/OFF, MIDI SPLIT

CONNECTING TERMINALS

XLR-type Output x 2 (CP80M/70M only): -20dBm, 600ohm, balanced

Phone Jack Output x 2: -20 dBm, 600 ohm, unbalanced

Send A, B Out (phone jacks): -20 dBm, 600 ohm

Return A, B In (phone jacks): -20 dBm, 600 ohm

MIDI OUT

Footswitch: (MIDI ON/OFF)

POWER CONSUMPTION (with AC Adaptors)

CP80M/70M: Upper: 1.2W (17.5V, 70 mA DC)

Lower: 0.9W (18V, 50 mA DC)

CP60M: 1.6W (16V, 100 mA DC)

ACCESSORIES

CP80M/70M: Leg x 4; Leg Stay x 4; Sustain Pedal and Rod; Special AC Adaptor x 2; Phone Jack Cord x 2

CP60M: Caster Unit x 2; Special AC Adaptor; Phone Jack Cord

DIMENSIONS (W x H x D)

CP80M Assembled: 1460x941x1130mm (57-1/2x37x45")

Upper Section (Packed):

1460x173x986mm (57-1/2x6-3/4x38-4/5")

Lower Section (Packed):

1460x243x636mm (57-1/2x9-4/7x25")

CP70M Assembled: 1296x941x1047mm (51x37x41-1/5")

Upper Section (Packed):

1296x173x903mm (51x6-3/4x35")

Lower Section (Packed):

1296x243x636mm (51x9-4/7x25")

CP60M Assembled: 1304x930x683mm (51-1/3x36-3/5x26-7/8")

Packed: 1304x872x318mm (51-1/3x31-1/3x12-1/2")

WEIGHT (including cases)

CP80M: Upper: 86 kg (189.6 lbs)

Lower: 67 kg (147.7 lbs) Total: 153 kg (337.3 lbs)

CP70M: Upper: 69 kg (152.1 lbs)

Lower: 61 kg (134.5 lbs) Total: 130 kg (286.6 lbs)

CP60M: 100 kg (220.5 lbs)

WEIGHT (Assembled, excluding cases)

CP80M: 132 kg (291.0 lbs)

CP70M: 112 kg (246.9 lbs)

CP60M: 100 kg (220.5 lbs)

Specifications are subject to change without notice.

For details please contact:

SINCE 1887



YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

YAMAHA INTERNATIONAL CORPORATION - PROFESSIONAL PRODUCTS DIVISION
June 22, 1985

		<u>SUGGESTED RETAIL</u>
CP7	61 Keys; 2 piano 2 harpsichord voices; stereo chorus; built in speakers and amp.	445.00
CP60M	Electro-acoustic piano; 76 keys; 7 band graphic EQ; MIDI out port, portable; folding.	2695.00
CP70M	Electro-acoustic piano; 73 keys; 7 band graphic EQ; MIDI out port, portable.	4695.00
CP80M	Electro-acoustic piano; 88 keys; 7 band graphic EQ; MIDI out port, portable.	5695.00
PF10	FM digital piano; 76 keys (synth type); velocity sensitive; electric piano, harpsichord, vibe and clavinet voices; built in speakers and amp.	995.00
PF15	FM digital piano; 88 keys (piano type); velocity sensitive; electric piano, harpsichord, vibe and clavinet voices; built in speakers and amp.	1595.00
KX5	Keyboard controller for use with any DX unit; 37 note; mini keys; velocity sensitive. Silver or black.	495.00
DX21	FM digital synthesizer; 61 keys; 2 FM tone generator systems with 4 operators; 8 algorithms; 8 note poly; single, dual, split modes; 128 on board voices; 32 voice on board RAM memory.	795.00
DX7	FM digital synthesizer; 61 keys (C 1 to C 6); FM tone generators; 6 operators; 32 algorithms; internal RAM memory (32 voices); 2 external ROM memories (64 voices); external RAM memory (32 voices).	1995.00
DX5	FM digital synthesizer; 76 keys; 2 FM generator systems with 6 operators; 32 algorithms; enhanced memory; 64 voice on board RAM; 64 position performance memory.	3495.00
DX1	73 keys; wooden piano type keys; individual after touch; velocity sensitive; dual channel operation; extensive LED display; illuminated LCD display; with performance memory system.	10900.00
VRC101	DX7/5/1 voice ROM - Keyboard group	50.00
VRC102	DX7/5/1 voice ROM - Wind instrument group	50.00
VRC103	DX7/5/1 voice ROM - Sustain group	50.00
VRC104	DX7/5/1 voice ROM - Percussion group	50.00
VRC105	DX7/5/1 voice ROM - Sound effects group	50.00
VRC106	DX7/5/1 voice ROM - Synthesizer group	50.00
QX1	8 track digital MIDI sequence recorder, full composition edit functions, 5 1/4" disk with 80,000 + note capacity, MIDI utility storage of voice, function and other MIDI data.	2795.00
QX7	2 track MIDI sequence/recorder; 16 MIDI track capable; MIDI echo back; MIDI merge.	475.00
TF1	Single FM digital tone module, 6 operator, 32 algorithms, 32 position memory with function, complete edit program change mode.	545.00
TX816	Complete system with all 8 slots of TF1 modules and main rack.	4995.00
TX216	Main rack with 2 slots of TF1 modules.	2095.00
TX7	FM Digital tone module; 6 operators; 32 algorithms; programmable via MIDI; on board memory includes 32 voice and function positions; plus functions for DX7.	845.00
KX88	Remote master MIDI keyboard.	1695.00
FC7	Foot controller for KX88.	40.00

Yamaha reserves the right to change any terms or conditions, including but not limited to prices, specifications, and payment terms, at any time without notice. All orders are subject to acceptance and approval by Yamaha International Corp.

YAMAHA INTERNATIONAL CORPORATION - PROFESSIONAL PRODUCTS DIVISION
JUNE 22, 1985

		<u>SUGGESTED RETAIL</u>
RX21	Digital rhythm programmer; 9 percussive sounds; stereo outputs; 56 programmable patterns; 44 permanent internal patterns; 3 song memory; MIDI capable; cassette storage.	275.00
RX11	Digital rhythm programmer; 29 percussive sounds; stereo and individual outputs; RAM program storage; MIDI capable; 100 patterns; 10 song memory.	895.00
RX15	Digital rhythm programmer; 15 percussive sounds; stereo outputs; MIDI capable; 100 patterns; 10 song memory.	495.00
MR10	Analog drum machine; 12 preset rhythms; 5 manual performance pads.	125.00
DX PRO	DX7 programming, for Apple II and IIe, recall and organization, includes voice data library.	195.00
AIC2	Interface card for Apple II and IIe, with MIDI in/out and drum sync.	190.00
CX5M	Music Computer	469.00
PN101	Yamaha DOT impact printer	295.00
CB01	Printer Cable	30.00
YK01	Mini Keyboard	100.00
YK10	Keyboard	200.00
YRM101	FM Music Composer	50.00
YRM102	FM Voicing Program	50.00
YRM103	DX7 Programming	50.00
YRM104	FM Music Macro	50.00
YRM105	DX9 Voicing	50.00
YRM301	MIDI recorder	50.00
YRM302	RX editor	50.00
CMW01	Keyboard Chord Master	50.00
CMW02	Keyboard Chord Progression	50.00
CMW33	Guitar Chord Master	50.00
FVD01	FM Voice Data 1	20.00
FVD02	FM Voice Data 2	20.00
UDC01	Data Memory Cartridge	75.00
CA01	Single Cartridge Adaptor	25.00
RF02	RF Adaptor	50.00
VC02	Video Cable	10.00
RAM-1	Random access memory cartridge	125.00
ROM 3	64 voice read only memory	50.00
ROM 4	64 voice read only memory	50.00
DX7 OM	Owners Manual for DX7	39.95
BC1	Breath Controller	35.00
MIDI 03	3m MIDI cable	10.00
MIDI 15	15m MIDI cable	30.00
YME8	MIDI thru junction box with 2 in and 8 thru/out	90.00

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