

YAMAHA
Clavinova PF **P-100**



A Versatile Electronic Piano for Professional Stage and Studio Applications.

The Clavinova PF P-100 – a powerful newcomer to Yamaha's range of electronic pianos.

It combines 10 professional instrument voices, digital effects and MIDI power in an instrument that offers both versatility and superb playability.

With truly authentic piano sounds and a full-size 88-key piano keyboard,

it's ideal for the musician who wants to take his piano on stage.

Additionally, the P-100 provides many of the control functions

found on a typical MIDI keyboard,

so it will work well as the controlling keyboard

in a multi-keyboard, synthesizer,

or tone generator system.

- AWM (Advanced Wave Memory) sound generation.
- 32-note polyphony (maximum).
- 88-key piano keyboard with AE (Action Effect).
- Single, dual and split mode playing.
- Adjustable keyboard sensitivity.
- Stereo 20-watt power amplifier and stereo speaker system.
- Stereo reverb, chorus, symphonic and tremolo effects using digital sound processing.
- Versatile 3-band equalizer.
- MIDI control capabilities.

Superior Piano Sounds and other voices

The P-100 has two authentic piano sounds. Piano 1 is a grand piano sound with a full, rich bass tone and sparkling high notes that capture the natural reverb characteristics of a grands piano through the use of stereo sampling. Piano 2 is a bright contemporary piano sound, one that will "cut through" for band performance.

As well as the two main piano voices, another 8 exciting instrument voices are provided: Electric Piano 1, Electric Piano 2, Clavinova Tone, Vibraphone, Orchestral Strings, Jazz Organ, Acoustic Wood Bass and Electric Bass.

Playability

With a full-size 88-key piano keyboard, and Yamaha's AE (Action Effect) keyboard technology, the P-100 feels and responds just like a real piano keyboard. Key-velocity sensitivity is consistent across the keyboard giving you full control over those fortissimo and pianissimo passages.

Its keyboard sensitivity can be adjusted to suit the individual player for use onstage, in the studio or at home. Sensitivity settings include: Normal, Soft, Hard, and Fixed.

Single, Dual and Split modes

Instrument voices can be played in any one of three modes: Single, Dual or

Split. In Dual mode, two voices are played in parallel, a technique known as "voice layering". A typical Dual voice combination could be piano with strings. Split mode allows two voices to be played independently, each voice being assigned to a different section of the keyboard. You could, for example, play the Wood Bass with your left hand and the Vibraphone with your right.

In the Dual and Split modes, the volume balance of two voices can be set to provide a degree of emphasis to one voice. Also, the keyboard split point and key transpose values can be set, providing flexible performance capabilities from a single piano keyboard.

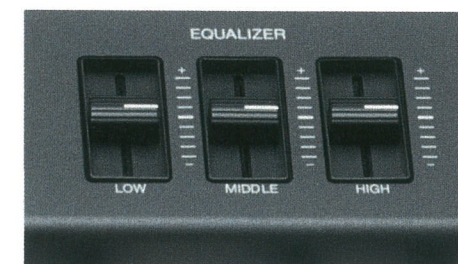
In Dual mode, for example, you could play two-note harmonies by transposing one voice a fifth or an octave below the main voice. In Split mode, too, you could transpose one voice up or down two octaves so that it can be played in the same pitch range as the main voice.

The voice detune function allows you to detune two voices slightly. This is especially useful when two similar voices, such as two pianos, are played together in Dual mode, providing a richer sound that will reveal the distinctive character of the dual voices.

Stereo Digital Effects Unit and Equalizer

A built-in Yamaha custom DSP (Digital Signal Processor) provides the following effects: Room, Stage and Hall digital stereo reverb programs; and Chorus, Symphonic, and Tremolo type modulations. The DSP also provides a

versatile 3-band digital graphic equalizer, which can be used to tailor the voices to suit your personal tastes.



Pedal Expression

A Yamaha FC-4 foot switch is supplied with the P-100 for use as a sustain pedal. Another one or two optional FC-4 (or FC-5) foot switches can be connected, and they can be used as soft pedal and sostenuto pedal, giving you total expression control. An optional Yamaha FC-7 foot controller is available separately for use as a volume pedal.

Transposing/Tuning

One advantage of an electronic piano is the ability to instantly transpose it within a range of four octaves. Ideal when faced with a song in a unfamiliar key, or to compensate for a vocalist who performs best in a different key. In addition, the P-100 can be fine tuned over a range of approx. ± 50 cents (± 0.5 semitone) to exactly match the pitch of accompanying instruments or a tape recorder, etc.

MIDI Control Capability

MIDI (Musical Instrument Digital Interface) allows communication between electronic musical instruments. The P-100 has many of the features found on a MIDI keyboard, and other tone generators, synthesizers, samplers, etc., can be controlled from the P-100. For example, you might like some of the voices in a music synthesizer but prefer the feel of a piano keyboard. Simple – play the synthesizer from your P-100's keyboard with just one MIDI connection.

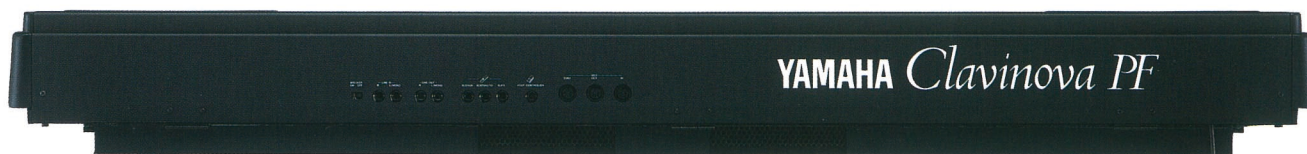
MIDI control keyboard functions included in the P-100 are – velocity sensitivity, pitch bend and modulation wheels; assignable data slider; Program Change send and receive capabilities; MIDI transpose and a MIDI merge function. A Yamaha FC-7 foot controller can also be used as a MIDI foot controller, assignable in the same manner as the Data Entry slider.

Flat Top and sides

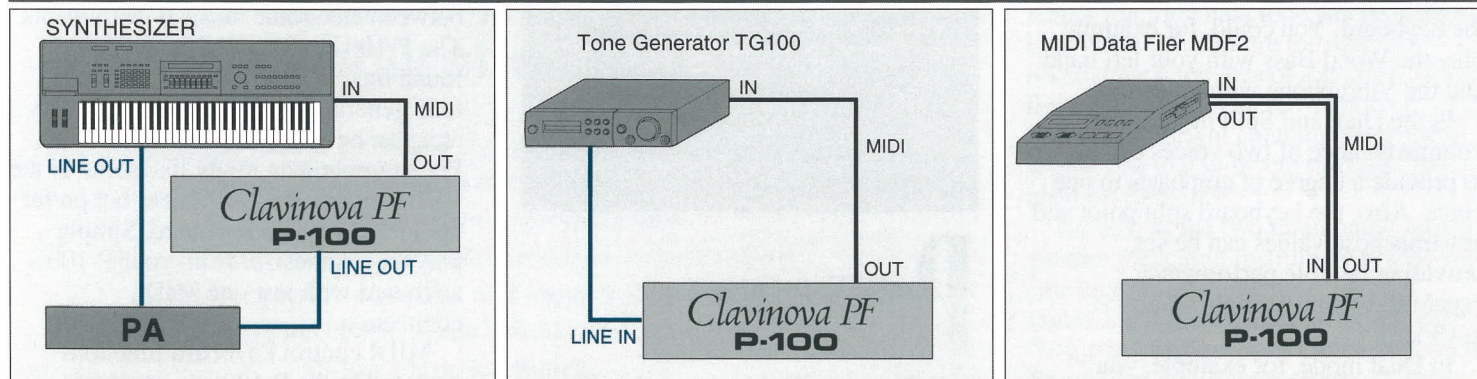
The P-100 has a flat top panel which is a practical site for placing ancillary equipment such as a drum machine, tone generator, sequencer, tape recorder, etc. Also, with all sides being flat, the P-100 is a relatively easy instrument to transport.



REAR PANEL



SYSTEM EXAMPLE



Optional LP-1 stand



SPECIFICATIONS

Sound generation	AWM (Advanced Wave Memory) sound generation
Polyphony	32/16-notes
Keyboard	88-key AE system
Voice selection	Piano 1, Piano 2, E.Piano 1, E.Piano 2, Clavinova Tone, Vibes, Strings, Organ, Bass 1, Bass 2
Play modes	Single, Dual, Split
DSP Effects	<div>Reverb Room, Stage, Hall</div> <div>Modulation type Chorus, Symphonic, Tremolo</div> <div>Equalizer 3-band graphic equalizer (high, middle, low)</div>
Pitch control range	<div>Tuning approx. ± 50 cents ($-64/+63$ approx. 0.78 cents increment within 1.0 semitone)</div> <div>Transposition ± 24 semitones (four octaves)</div>
MIDI control functions	MIDI transmit channel, MIDI receive channel, Program Change receive channel, Local control On/Off, MIDI merge, Bulk protect, Continuous slider assign, Foot controller assign, Program change transmit table, MIDI on/off, MIDI transpose, MIDI velocity curve.
Audio connections	<div>Line in 1/4" phone jack $\times 2$ (L/Mono & R)</div> <div>Line out 1/4" phone jack $\times 2$ (L/Mono & R)</div> <div>Headphone 1/4" stereo phone jack</div>
MIDI connections	IN, OUT, THRU
Panel controls	<div>Switches Power, Split (Balance), transpose (Detune), MIDI (Tune), Voice/Utility $\times 10$, Reverb (-1), Modulation (+1), Speaker.</div> <div>Sliders Volume, CS (Data Entry), Equalizer $\times 3$ (Low, Middle, High).</div> <div>Wheels Pitch, Modulation</div>
Foot controller jacks	<div>Sustain</div> <div>Soft</div> <div>Sostenuto</div> <div>Volume pedal/MIDI foot controller</div>
Indicators	LED $\times 19$
Display	7-segment LED display $\times 3$
Speakers	13cm, 20Watt $\times 2$
Power requirements	<div>US & Canadian model: 120V, 65W</div> <div>General model: 230V, 65W</div> <div>British & Australian model: 240V, 65W</div>
Dimensions (W \times H \times D)	1385 \times 424 \times 157.5 mm (54-1/2" \times 16-3/4" \times 6-1/4")
Weight	34 kg (75 lbs)
Supplied accessories	FC-4 foot switch
Optional accessories	FC-7 foot controller, LP-1 stand

Specifications subject to change without notice.

For details please contact:

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