

# *pf85*

**ELECTRONIC PIANO**



**YAMAHA**



# THE YAMAHA PF85 ELECTRONIC PIANO

## AUTHENTIC VOICES, SUPERB PLAYABILITY AND MIDI POWER

The Yamaha PF85 Electronic Piano—a well-designed, easy-to-use electronic piano that performs equally well in the studio, on stage or in the home. With a velocity-responsive 88-key keyboard, plus five rich voices, it suits the professional who requires a high-quality keyboard on which to perform or compose. It has built-in speakers and an operating layout that makes it ideal for the advanced amateur who wants an expressive electronic piano. The PF85's MIDI compatibility and performance specifications make it a wise choice for keyboard players of all levels.



### ADVANCED WAVE MEMORY

At the heart of the PF85 is a digital tone system which uses Yamaha's unique Advanced Wave Memory technique to create authentic instrument voices based on samples of the sounds of

actual instruments. Five voices are available: **Piano 1** (a full, rich grand piano voice), **Piano 2** (a brighter upright piano voice), **E Piano**, **Harpsichord** and **Vibe**. On their own, each sound is remarkably clear and expressive; blended in with other instruments, the sounds add richness and depth to any ensemble.

### STEREO CHORUS FOR EXPANDED SOUND

Normally, the PF85 outputs a mono signal. When the Chorus function is selected, the voice currently in use is transformed and expanded by a pulsating stereo chorus for a rich ensemble effect.

### FULL-RESPONSE SPEAKERS

Built in to the PF85 are two full-frequency speakers. When the Chorus effect is used, the PF85 player can enjoy an impressive "surround sound" experience. A bass enclosure in the lower

section of the instrument adds depth and grandeur to low notes. External amplifiers may be used, via the two output jacks. The internal speakers can be turned off, and headphones used for private playing.

### RESPONSIVE KEYBOARD

The PF85 features a full-size 88-note piano keyboard. The newly developed Yamaha AE keys are incorporated, with an action that is similar to that of a grand piano. All keys respond consistently to velocity, with fortissimo passages and delicate pianissimo equally possible.

### PEDAL EXPRESSION

The PF85 comes with a Yamaha FC-4 foot pedal which can be used for sustaining notes. A second optional pedal may be used for either Soft pedalling (mutes the sound for delicate passages) or key hold pedalling (sustains only those keys already held when the pedal is depressed; subsequent notes are not sustained).

### TRANSPOSING/TUNING

For any player, there are times when a vocalist might need to transpose a song to a key that is difficult to play. The PF85 can be transposed instantly to any of the 12 keys. In addition, fine-tuning can be done over a range of +/- 51 cents (1/2 note), to exactly match the pitch of the PF85 to accompanying instruments.

### MIDI POWER

MIDI (Musical Instrument Digital Interface) allows digital instruments to control each other in a variety of configurations, for enormous sound potential. With the PF85, the following MIDI functions are available:

- **MIDI TRANSMIT.** Transmit data on any one of the standard 16 MIDI channels, to play a connected MIDI instrument such as the Yamaha TX81Z Multi-timbral FM Tone Generator. Lets you blend a "digital orchestra" with the rich tones of the PF85, controlling the TX81Z voices with full Touch Sensitivity.

- **MIDI RECEIVE.** Use an external keyboard such as the Yamaha DX7II Digital Programmable Algorithm Synthesizer to

play the PF85. Or use the Yamaha QX5 Digital Sequence Recorder, on which music can be created that is too rapid and complex for human hands to play, to control the PF85. If you turn on the PF85's OMNI mode, data sent on all 16 channels can be received.

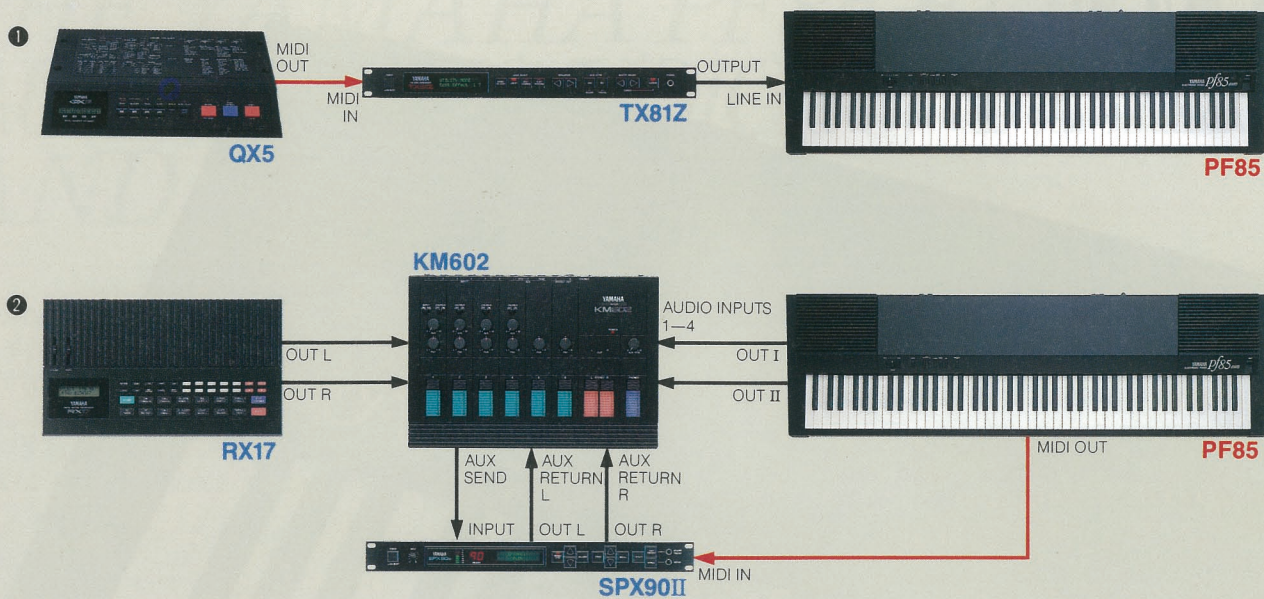
- **LOCAL ON/OFF.** Normally, the PF85 is set to LOCAL ON, which means that its keyboard will play its internal voices. When set to LOCAL OFF, its keyboard controls only external MIDI devices—the PF85's internal voices will not be heard (though they may still be played by an external keyboard or sequencer).

- **MIDI PROGRAM CHANGE.** Pressing a voice key on the PF85 also causes programs to change on connected MIDI devices. This function can be cancelled, so that MIDI Program Change commands are neither transmitted nor received by the PF85, for added voice flexibility.

- **MIDI CONTROL CHANGE.** Similarly, transmission/reception of MIDI Control Change signals (affecting the Sustain and Soft/Key Hold pedals) can be cancelled on the PF85. This would allow you to sustain the PF85's piano voice, for example, while creating a staccato trumpet melody on a TX81Z. ...The Yamaha PF85 Electronic Piano—a new addition to the world of MIDI.



## SYSTEM EXAMPLE



### MIDI SYSTEM EXAMPLES

#### 1 PRE-PROGRAMMED ORCHESTRAL BACKING PLUS LIVE PIANO PERFORMANCE

Your performance using the sonorous piano tones of the PF85 can be accompanied by a rich pre-programmed orchestral backing supplied by the TX81Z Multi-Timbral FM Tone Generator. First, record up to eight separate tracks of orchestral parts into the QX5 Digital Sequence Recorder, using the PF85 keyboard to play the TX81Z and select its voice programs. Then play back the orchestral arrangement, simultaneously using up to 8 of the TX81Z's vibrant voices, while adding your live performance on the PF85. The TX81Z may be heard through the PF85's internal speakers, or through any audio system or amplification setup. A slightly different MIDI connection configuration would allow you to use the QX5 to control the PF85—for example, record the left-hand part of a classical piano piece, then play it back while you practice the right-hand part.

#### 2 RHYTHM ACCOMPANIMENT PLUS DIGITAL REVERBERATION EFFECTS

Use the RX17 Digital Rhythm Programmer to provide simple rhythm patterns or complex arrangements of authentic drum and percussion sounds for an entire song. The SPX90II Digital Sound Processor lets you add a variety of stunning stereo reverberation effects to the PF85's sound, creating the lush, authentic ambience of a concert hall. The SPX90II also lets you add depth and vibrancy with the contemporary-sounding Chorus or Phasing programs, or wild modern effects with the Pitch Change and Delay programs. And with the power of MIDI, the PF85 will automatically select programs on the SPX90II each time you press a Voice Select key, adding just the right effect to each of the PF85's superb voices. The compact KM602 Keyboard Mixer lets you mix and pan the sounds of the PF85 and RX17 to create just the right balance, adjust the amount of SPX90II processing, and even add an

extra Chorus effect for an enhanced, expanded sound.

### OPTIONAL STAND & CASE

A sturdy and stylish stand is available (the wood finish LG-PF80 or the metal LG-PF60), on which the PF85 can be set to an optimum playing height. The stand can be detached and folded in seconds, and is light, compact and easy to carry. A rugged LC-PF85 case lets you keep your PF85 in perfect condition even during the toughest touring schedule.



## SPECIFICATIONS

### KEYBOARD

88 keys (A<sub>1</sub>—C<sub>7</sub>)

### VOICES

Piano 1, Piano 2, E. Piano, Harpsichord, Vibe

### SIMULTANEOUS OUTPUT NOTES

16

### BUILT-IN EFFECT

Stereo chorus

### TRANSPOSITION RANGE

-6—+5 semitones

### PITCH CONTROL RANGE

+/- 51 cents (in 3 cent increments)

### PEDAL CONTROLS

Sustain, Soft/Key Hold

### OTHER CONTROLS

Master volume, Transpose/MIDI, Pitch, Power On/Off, Speaker On/Off

### LED

6 (Chorus, Voice Select x 5)

### JACKS/CONNECTORS

Phones, Output 1, Output 2, Line In, MIDI (IN, OUT, THRU), Sustain pedal, Soft/Key Hold pedal

### MAIN AMPLIFIERS

20 W x 2

### SPEAKERS

16 cm x 2

### POWER CONSUMPTION

90 W (U.S. & Canadian Models)

130 W (General Model)

### SUPPLIED ACCESSORIES

Music rack, FC-4 foot switch

### OPTIONAL ACCESSORIES

LG-PF60 Stand (metal)

LG-PF80 Stand (wood)

LC-PF85 Hard Case

### DIMENSIONS (W x D x H)

1330 x 390 x 143 mm

(52<sup>3</sup>/<sub>8</sub>" x 15<sup>3</sup>/<sub>8</sub>" x 5<sup>5</sup>/<sub>8</sub>" )

### WEIGHT

31 kg (71<sup>1</sup>/<sub>4</sub> lbs)

Specifications are subject to change without notice.

For details please contact:

# YAMAHA

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