

FX-1

ELECTONE



YAMAHA

SPECIFICATIONS

FX-1

KEYBOARDS

Solo: 37 keys C₁ - C₄ (3 octaves)
 Upper: 61 keys C - C₄ (5 octaves)
 Lower: 61 keys C - C₄ (5 octaves)
 Pedals: 25 keys C₁ - C (2 octaves)

COMBINATION

Upper: Combi. Lever, Memory 1 • 2 • 3, Preset 1 • 2 • 3 • 4, Volume, (Levers) 16'; 8'; 6-2/5'; 5-1/3'; 4'; 2-2/3'; 2'; 1-3/5'; 1-1/3'; 1'; Attack 4' • 2-2/3' • 2'; Attack Length
 Lower: Combi. Lever, Memory 1 • 2 • 3, Preset 1 • 2 • 3 • 4, Volume, (Levers) 16'; 8'; 5-1/3'; 4'; 2-2/3'; 2'; 1'; Attack 4' • 2-2/3' • 2'; Attack Length
 Pedals: Combi. Lever, Memory, Preset 1 • 2, Volume, (Levers) 16'; 8'; 4'

ORCHESTRA

Upper: Strings 1, Strings 2, Strings 3, Strings 4, Brass 1, Brass 2, Brass 3, Reed 1, Reed 2, Vocal, Spice 1, Spice 2, (Controls) Preset Vibrato, Touch Tone, Volume
 Lower: Strings 1, Strings 2, Strings 3, Brass 1, Brass 2, Brass 3, Reed, Vocal 1, Vocal 2, Spice 1, Spice 2, Cosmic, (Controls) Preset Vibrato, Touch Tone, Volume

SPECIAL PRESETS

Upper: Piano, Harpsichord, Celesta, Vibraphone, Marimba, Mandolin, Banjo, Jazz Guitar, Brass 1, Brass 2, Cosmic, (Controls) Touch Tone, Volume
 Lower: Piano, Electric Piano, Harpsichord, Harp, Acoustic Guitar, Jazz Guitar, Brass 1, Brass 2, Cosmic 1, Cosmic 2, Cosmic 3, (Controls) Touch Tone, Volume

CUSTOM VOICES

Upper/
 Lower: Flute, Oboe, Clarinet, Saxophone, Trumpet, Trombone, Violin, Jazz Guitar, Hawaiian Guitar, Bass Guitar, Vocal, Cosmic 1, Cosmic 2, Cosmic 3, Cosmic 4, (Controls) Preset Vibrato, Touch Vibrato, Touch Tone, Volume
 Pedals: Contra Bass 1, Contra Bass 2, Contra Bass 3, Contra Bass 4, Tuba, Electric Bass 1, Electric Bass 2, Electric Bass 3, Vocal, Cosmic, (Controls) Brilliance, Volume

SOLO

Piccolo, Flute, Oboe, Clarinet, Saxophone, Trumpet 1, Trumpet 2, Horn, Trombone, Violin, Cello, Jazz Guitar, Harmonica, Vocal, Cosmic 1, Cosmic 2, (Controls) Detune, Coupler, Transposition (Down, Normal, Up), Preset Vibrato, Touch Vibrato, Touch Tone, Brilliance, Volume, Slide Control

ENSEMBLE

Upper Combi., Upper Orches., Upper Special, Upper Custom, Lower Combi., Lower Orches., Lower Special, Lower Custom, Coupler: Lower to Upper, Upper to Lower

EFFECTS • CONTROLS

Sustain: (Switches) Upper Sustain (Knee), Lower Sustain (Knee), Pedal Sustain, (Controls) Upper, Lower, Pedal
 Symphonic: Celeste, Symphonic, Upper Combi., Upper Orches., Lower Combi., Lower Orches.
 Tremolo: Chorus, Tremolo, Upper Combi., Upper Orches., Lower Combi., Lower Orches., Tremolo Speed

Reverb, Glide (Foot Switch Control), Dynamic Range Control (Solo, Upper, Lower, Pedal), (Combination) Program Set, Response Fast, Timbre Variation
 Vibrato Presetter: Set, Lever, Player, Preset, (Controls) Touch Depth, Delay, Depth, Speed, (Indicator) Solo, Upper Orches., U/L Custom, Lower Orches., Pedals

AUTO RHYTHM

Pattern Selectors: March, Waltz, Ballad, Swing, Bounce, Slow Rock, 8 Beat 1, 8 Beat 2, Tango, Latin 1, Latin 2, Bossanova, Samba, Latin Rock, Disco, 16 Beat, Variation 1 • 2 • 3 • 4
 Break Variation: 1 • 2 • 3 (16 x 3 patterns), Break, Break Variation (Foot Switch Control)
 Auto Variation: Normal, 4 Bar, 8 Bar, 16 Bar
 Rhythm Sequence Programmer: Program 1 • 2 • 3 • 4 (64 Bars x 4), On, Record, Blank, End, Back, Forward
 Digital Display: Tempo, Bar/Beat
 Controls: Synchro Start, Start, Tempo, Volume, Balance, Tempo Indicator Lamp, Rhythm Stop (Foot Switch Control)

AUTO ARPEGGIO

Pattern Selectors: 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 (16 x 8 patterns)
 Voice Selectors: Piano, Harpsichord, Strings, Harp, Volume (control)

RHYTHMIC CHORD

Pattern 1: Piano, Jazz Guitar, Solid Guitar, Phaser (effect), Volume (control)
 Pattern 2: Brass, Jazz Guitar, Solid Guitar, Phaser (effect), Volume (control)

AUTO BASS/CHORD

Normal, Custom A.B.C., Multi Bass (Normal, 1, 2, 3), Lower Memory, Pedal Memory

REGISTRATION MEMORY

Preset buttons: 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8
 Controls: Memory, Cancel, Disable, Slider Drive
 Registration Pack: Read, Confirm, Write (Indicator) Memory Ready, Error

MAIN CONTROLS

Manual Balance, Master Volume, Expression Pedal, Expression Pedal Display (On, Bright, 10 position), Reset, Knee Lever, Foot Switch, Power Switch, Lights (Dim, Off, Bright), Pitch Control

OTHER FITTINGS

Yamaha tone cabinet connectors Left x 2 • General x 2 • Right x 2 (13 pins), Leslie tone cabinet connector (11 pins), 10 Ch Out connectors x 2 (11 pins), Exp. In jack, Stereo Headphone jack, Registration Pack, Panel Lights, Music Rest, Matching Bench

CIRCUITRY

Solid State (incl. LSIs and ICs)
 Power Consumption: See Electone nameplate
 Power Source: 50/60Hz AC

DIMENSIONS

Cabinet: 150(W) x 71(D) x 112(H) cm (59" x 28" x 44")
 Bench: 105(W) x 41(D) x 64(H) cm (41-1/3" x 16" x 25-1/4")

WEIGHTS

Cabinet: 230kg (507 lbs.)
 Pedals: 25kg (55 lbs.)
 Bench: 70kg (154 lbs.)

FINISH

Ivory • Urethane Finish

*Specifications subject to change without notice.

TONE CABINET SPECIFICATIONS TX-1

Three discrete channels of amplification are provided. The channels are: Left, center and right. The left and right channels are designed to reproduce the mid and high frequency ranges. The center channel incorporates an electronic crossover, permitting bi-amplification of the sounds routed to the center channel. One amplifier handles the low frequencies, while the other handles the mid and high frequency ranges. The left and right channel speakers are mounted on angled baffles (30°) to provide optimum dispersion of sound. The center channel faces forward, with the low frequency speaker (woofer) being mounted in a sealed enclosure for improved bass response. The TX-1 does not include either electronic or mechanical sound animation systems.

	Left	Center	Right
Amplifier power output (RMS)	70W —	70W 100W	70W —
Speakers: Total 10 Tweeter (horn type)	2 5 cm (2")	2 5 cm (2")	2 5 cm (2")
Mid Range (cone type)	1 20 cm (8")	1 20 cm (8")	1 20 cm (8")
Woofer (cone type)	—	1 38 cm (15")	—
Input: Via 13 pin plug and cable assembly attached to the TX-1			
Output Socket: 13 pin socket provided for connecting an additional TX-1 tone cabinet			
Additional Controls etc.: Volume control (controls TX-1 only) Power switch for Remote/on Pilot lamps (2)			
Dimensions	Width 828 mm 32½"	Height 899 mm 35½"	Depth 665 mm 26¼"
Weight: 130 kg (286 lbs.)	Power Consumption: 360W (USA)	Finish: Ivory Enamel	



"LIVING" SOUND

Yamaha's all new FAM System, which stands for Frequency Modulation and Advanced Memory, is a sophisticated integration of state-of-the-art technologies, which makes Yamaha organs phenomenal performers in every respect. But, as with any musical instrument, the single most important element is tone quality. And here superlatives pale beside the unprecedented thrill you will experience when playing or hearing a live performance of the magnificent FX-1 Electone.

Authorized Yamaha Electone Retailer

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