YAMAHA

DIGITAL MUSICAL INSTRUMENTS

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CREATING 'KANDO' TOGETHER

YAMAHA

SYNTHESIZER

SYNTHESIZER / TONE GENERATOR ..... P3~10
MOTIF XF8 / MOTIF XF7 / MOTIF XF6 / MOTIF RACK XS
SYNTHESIZER ..... P11~18
MO8 / MO6 / MM8 / MM6 / S90 XS / S70 XS

STAGE PIANO

STAGE PIANO ..... P19~25
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COMPUTER BASED MUSIC PRODUCTION EQUIPMENT

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ACCESSORY

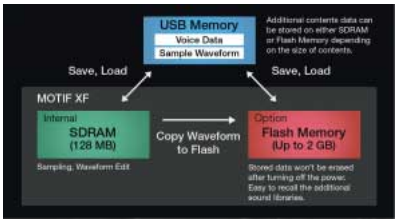
ACCESSORY P57

Music Production Synthesizer

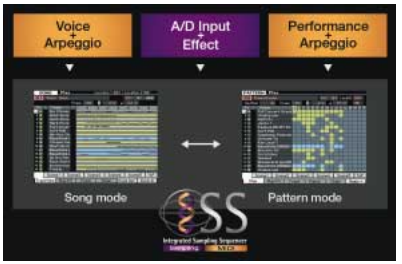
MOTIF XF8 / MOTIF XF7 / MOTIF XF6

Inspiration Comes In A Flash

- Comprehensive high sound quality, including an enormous 741MB of waveforms.
- An additional 128 Voices and 8 drum kits, for a total of 1,353 high-quality Voices.
- Up to 2GB of additional content available through separately sold flash memory.
- Realization of unique instrument performance methods through the XA (Expanded Articulation) tone generation system.
- Reproduction of the unique, natural, warm sounds of vintage instruments through VCM effects.
- 384 types of performances based on approximately 7800 types of arpeggiators.
- Enhanced sampling through 128MB of onboard SD-RAM.
- The popular FSX (MOTIF XF6/7) and BH (MOTIF XF8) keyboards.
- Improvement of usability thanks to the use of a new GUI.
- Category Search feature that provides instant access to the Voices you want.
- Cubase AI -- a DAW software application from Steinberg.
- DAW integration through remote control, an editor software.
- Scalability through standard-equipped USB and Ethernet and the FW16E option.



Sound Expandability



Integrated Sampling Sequencer

MOTIF XF8

ISS Integrated Sampling Sequencer

CUBASE AI5

Rear Panel

"Balanced Hammer Effect Keyboard" with Aftertouch (MOTIF XF8)

8 color variation of the display.

ISS • The Integrated Sampling Sequencer provides the seamless integration of MIDI and audio sample sequencing.

CUBASE AI5 Refer to P27

MOTIF XF7

Rear Panel

Flash Memory Expansion Module
FL512M/FL1024M

The 500MB and 1GB flash memory modules fit into the two flashboard slots in the MOTIF XF providing up to 2GB of expansion for additional wave memory storage. Memory is non-volatile and re-writable so waveforms or samples are retained in memory even when the instrument is turned off and remain there until replaced with something else. Load MOTIF voice libraries or samples of your own to create a customized sample library.

Firewire Expansion Board
FW16E

The FW16E is a FireWire expansion board that allows integration of the MOTIF XF with DAW software on a computer via an IEEE1394 connection. Record up to 16 tracks of audio directly from the MOTIF XF to the DAW and send up to 6 channels of audio from the computer to the MOTIF. The unit also functions as a multi-port MIDI interface allowing transfer of MIDI data for all ports simultaneously.

MOTIF XF6

Rear Panel

Remote control and editor that make DAW integration easy

Features such as remote control (which you can use to remotely control the parameters of a DAW application on a PC from the MOTIF), various DAW templates, and simple setup features make the MOTIF XF easy to use. In particular, the integration between the MOTIF XF and Steinberg's Cubase 5 series is truly seamless. Using the Yamaha MOTIF XF Editor, you can make subtle Voice edits from your PC while checking them visually. Because the communication between the MOTIF and the editor is bi-directional, whether you're moving the knobs on the MOTIF or changing parameters with the mouse in the editor, the parameters are perfectly matched. There is even a VST3 editor for use in Cubase 5 (including AI) which lets you use your MOTIF as a VST soft synth.

MOTIF XF Editor

Main Display

Tone Generator

MOTIF-RACK XS

STUDIO CONNECTIONS · CUBASE AI5

The Sonic Power of the MOTIF XS in a Compact System

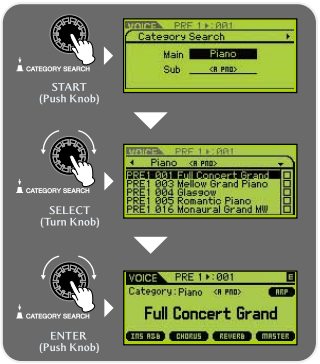
Rear Panel

- Wide selection of dynamic and authentic voices (1,152 voices and 65 drum kits) based on the professional level MOTIF XS.
- Powerful arpeggio function puts 6,633 arpeggios at your fingertips.
- Audition feature let's you review voices, even without a keyboard, before selecting them.

Studio- quality effects

- Powerful category search with the convenient push and turn knob lets you instantly call up main instrument categories, select sub categories, then scroll through a list of voices.
- Five control knobs offer real time sound control without having to navigate through multiple display pages.
- Studio quality effects processing.
- Bundled with the MOTIF-RACK XS Editor, which provides convenient and intuitive editing of all settings from a computer.
- Fully integrates with the popular Cubase series audio and MIDI recording software.

MOTIF-RACK XS Editor



Powerful category search

Optional FW16E
Firewire Expansion Board

Music Production Synthesizer

MOTIF XF8 / MOTIF XF7 / MOTIF XF6

Keyboards	
MOTIF XF8	88 keys, Balanced Hammer Effect Keyboard (Initial Touch/Aftertouch)
MOTIF XF7	76 keys, FSX Keyboard (Initial Touch/Aftertouch)
MOTIF XF6	61 keys, FSX Keyboard (Initial Touch/Aftertouch)
Tone Generator block	
Tone Generator	AWM2, with Expanded Articulation
Polyphony	128 notes
Multi Timbral Capacity	16 Parts (internal), Audio Input Parts (A/D, FW*) *1 stereo Part
Wave	741MB (when converted to 16-bit linear format), 3,977 waveforms
Voice	Preset: 1,024 Normal Voices + 64 Drum Kits GM: 128 Normal Voices + 1 Drum Kit User: 128 x 4 (Bank 1: original, Bank 2 – 4: selected and copied from Preset bank) + 32 Drum Kits (No. 1 – 8: original, No. 9 – 32: selected and copied from Preset bank)
Performance	User: 128 x 4 (up to 4 Parts)
Filter	18 types
Effect System	Reverb × 9 types, Chorus × 22 types, Insertion (A, B) × 53 types × 8 Parts (up to 16 units), Vocoder x 1 (uses both Insertion Effect A and B blocks), Master Effect x 9 types (Preset settings for parameters of each effect type are provided as templates; total 320) Master EQ (5 bands), Part EQ (3 bands, stereo)
Sampling block	
Samples	Up to 128 Waveforms (Multi Samples) Up to 256 Key Banks per Waveform Up to 512 Key Banks
Sampling Sources	Analog input L/R, Stereo output (Resampling), FW (available when the FW16E has been installed)
A/D Conversion **D/A Conversion**	24-bit, 64x oversampling 24-bit, 128x oversampling
Sample Data Bits	16
Sampling Frequency	44.1kHz, 22.05kHz, 11.025kHz, 5.5125kHz (Stereo/Mono) Sampling Frequency via FM (when the FW16E has been installed): 44.1kHz (fixed)
Sampling Memory	Internal SDRAM: 128M
Sample Length	Mono: 32 MB Stereo: 64 MB
Sampling Time	44.1kHz: 6 min. 20 sec. 22.05kHz: 12 min. 40 sec. 11.025kHz: 25 min. 20 sec. 5.0125kHz: 55 min. 40 sec. *Mono/Stereo
Sample Format	Original format, WAV, AIFF
Sequencer block	
Note Capacity	Approx. 130,000 notes
Note Resolution	480 ppq (parts per quarter note)
Maximum Polyphony	124 notes
Tempo (BPM)	5 – 300
Recording type	Real time replace Real time overdub (with the exception of the Pattern Chain) Real time punch in/out (Song only)
Tracks	Pattern: 16 phrase tracks Pattern Chain: Pattern track, Tempo track, Scene track Song: 16 sequence tracks (Loop on/off can be set for each track), Tempo track, Scene track
Patterns	64 Patterns (× 16 sections), Measures: 256 maximum Mixing Voices: 16 Voices per Pattern and up to 256 Voices for all Patterns Mixing Templates: 32 for all Songs and Patterns
Phrases	User Phrases: 256 per Pattern
Songs	64 Songs Mixing Voices: 16 Voices per Song and up to 256 Voices for all Songs Mixing Templates: 32 for all Songs and Patterns
Arpeggio	Preset: 7,881 types User: 256 types *MIDI Sync, MIDI transmit/receive channel, Velocity Limit, and Note Limit can be set.
Scene Memory	5 per Song
Sequence Format	Original format, SMF format 0, 1 (Format 1 load only)
Others	
Master	User: 128 *8 Zones (Master keyboard settings), Assignable Knob/Slider settings, Program Change Table
Sequence Software compatible with the function	For Windows®: Cubase 4 – 5, SONAR 5.2 – 8 For Macintosh®: Cubase 4 – 5, Logic 7.2 – LogicStudio, Digital Performer 5.1 – 6 *Functions to be controlled differ depending on the software.
Controllers	Pitch Bend wheel, Modulation wheel, Ribbon Controller, Assignable Control Sliders × 8, Assignable Knobs × 8, Assignable Function buttons × 2, Data dial
Display	320 × 240 dot, 5.7 inch graphic color backlit LCD
Connectors	OUTPUT L/MONO, R (standard phone jack), ASSIGNABLE OUTPUT L, R (standard phone jack), A/D INPUT L, R (standard phone jack), DIGITAL OUT, PHONES (standard stereo phone jack), FOOT CONTROLLER 1, 2, FOOT SWITCH × 2 (SUSTAIN, ASSIGNABLE), MIDI IN/OUT/THRU, USB (TO HOST, TO DEVICE), AC IN ETHERNET (100BASE-TX) IEEE1394 (available when the FW16E has been installed)
Power Consumption	22W
External Memory	USB storage device
Dimensions, Weight	MOTIF XF8: 1,439 (W) × 466 (D) × 168 (H) mm, 28.9 kg MOTIF XF7: 1,252 (W) × 391 (D) × 122 (H) mm, 17.2 kg MOTIF XF6: 1,045 (W) × 391 (D) × 122 (H) mm, 15.1 kg
Accessories	AC Power cord, Owner's Manual, Owner's Manual CD-ROM (containing Reference Manual and Data List), DVD-ROM (containing DAW software)

Tone Generator

MOTIF-RACK XS

Tone Generator	**Tone Generator**	AWM2, with Expanded Articulation
	Polyphony	128 notes
	Wave	355MB (when converted to 16-bit linear format), 2,670 waveforms
	Voice	Preset: 1,024 Normal Voices + 64 Drum Kits GM: 128 Normal Voices + 1 Drum Kit User: 128 × 3 Normal Voices + 32 Drum Kits (Both of the User Voices are selected and copied from Preset bank)
	Multi	User: 128 Multis
Effects	**Reverb**	9 types
	Chorus	22 types
	Insertion A	53 types (up to 8 blocks available in the Multi mode)
	Insertion B	53 types (up to 8 blocks available in the Multi mode)
	Master Effect	9 types
	Master EQ	5 bands (High, High Mid, Mid, Low Mid, Low)
	Part EQ	3 bands (High, Mid, Low)
Arpeggio	**Arpeggio Type**	6,633 types * MIDI Sync, MIDI transmit/receive channel, Velocity Limit, and Note Limit can be set.
Controls		VOLUME knob, Encoder knob, Cursor buttons, AUDITION button, STORE button, ENTER button, EXIT button, VOICE button, EFFECT button, EDIT button, MULTI button, SELECT button, UTILITY button, Knobs 1 - 5
Jacks and Terminals	**Front Panel**	PHONES
	Rear Panel	USB TO HOST, MIDI IN/OUT, DIGITAL OUTPUT, ASSIGNABLE OUTPUT L and R, OUTPUT L/MONO and R, DC/IN, FireWire (when FW16E is installed)
Others	**Display**	160 × 64-dot graphic backlit LCD
	Supplied Accessories	AC Power adaptor (PA-300B or PA-300C), Owner's manual, Data List, Disk × 1 (containing DAW software)
	Power Consumption	When the AC power adaptor is connected to both the MOTIF-RACK XS and the AC outlet, and the VOLUME knob is in the STANDBY position: 0.3 W When the power is turned on: 15W When the power is turned on and the optional mLAN16E2 or FW16E has been installed: 20W
	Digital Output	44.1kHz, 24bit (COAXIAL)
	Dimensions (W × H × D)	480 × 379.4 × 44 mm
	Weight	4.2 kg

Flash Memory Expansion Module

FL512M / FL1024M

	FL512M	FL1024M
Data size	512 MB	1 GB (1024 MB)
Connectors	120-pin dedicated connector	120-pin dedicated connector
Securing parts	Screws (2)	Screws (2)
Dimensions	90 (W) × 50 (D) × 25 (H) mm	90 (W) × 50 (D) × 25 (H) mm
Weight	35 g	40 g

Firewire Expansion Board

FW16E

Functions	Data rate	S400
	Audio inputs and outputs	6 Ins, 16 Outs
	Sampling rates	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
	MIDI connectors	3 Ins, 3 Outs
Connectors	To IEEE1394	6-pin x 2
	To motherboard	100P
Dimensions	142 mm (W) × 123.3 mm (D) × 22.7 mm (H)	
Weight	108 g	

Music Production Synthesizer

MO8 / MO6

STUDIO CONNECTIONS CUBASE AI5

MO8

MO6

Direct descendant of the MOTIF synth, the MO provides the artist with a vast wealth of inspiring voices from the extensive MOTIF library as well as a wide range of MO exclusive dance voices.

- Music production synthesizer based on the award winning MOTIF ES features a comprehensive set of 768 high quality voices and 65 drum kits.
- Offers the distinct performance capabilities and controllability found in the MOTIF ES.
- MO8 features an 88-note weighted balanced hammer (BH) keyboard that feels natural, smooth, and responsive. The MO6 features a 61-note keyboard that is smooth and responsive.
- Advanced music production tools include song/pattern sequencer plus an appregiator with over 1,700 phrases.
- DAW remote control mode and Studio Connections offer seamless integration into computer music systems.
- Two USB (TO HOST and TO DEVICE) jacks and coaxial digital out.

MO8 Rear Panel

Music Production Synthesizer

MO8 / MO6

Keyboards	
MO8 88 keys	Balanced Hammer Effect Keyboard (Initial Touch)
MO6 61 keys	LC Keyboard (Initial Touch)
Tone Generator	
Tone Generator	AWM2
Polyphony	64 notes
Multi Timbral Capacity	16 parts (internal)
Wave	175 MB (when converted to 16-bit linear format), 1,859 waveforms
Voice	Preset: 512 normal voices + 64 drum kits GM: 128 normal voices + 1 drum kit User: 128 × 2 (Bank 1: Original, Bank 2: Picked up from Preset), Normal Voice + 32 drum kits Performance User: 256 (up to 4 parts)
Filter & Effect System	18 types (Filter), Reverb × 20 types, Chorus × 49 types, Insertion (A, B) × 116 types × 3 blocks, Master Effect × 8 types, Master Equalizer (5 bands), Part EQ (3 bands, stereo)
Sequencer block	
Note Capacity	Approx. 226,000 notes
Note Resolution	480 ppq (parts per quarter note)
Maximum Polyphony	124 notes
Tempo	1 – 300
Recording type	Real time replace, Real time overdub (with the exception of the Pattern Chain), Real time punch (Song only), Step (with the exception of the Pattern Chain)
Tracks	Pattern Mode : 16 phrase tracks Pattern Chain Mode : Pattern track, Tempo track, Scene track Song Mode : 16 sequence tracks (Loop on/off can be set for each track), Tempo track, Scene track
Patterns	64 patterns (× 16 sections), Measures: 256 maximum
Phrases	Preset Phrases : 687 phrases, User Phrases : 256 per pattern
Songs	64 songs, Mixing voices: 16 per pattern (256 maximum) Mixing templates: 32
Arpeggio	Preset × 1,787 types, User × 256 types MIDI Sync, MIDI transmit/receive channel, Velocity Limit, and Note Limit can be set.
Scene Memory	5 per Song
Sequence Format	MO8/MO6 Original format (compatible with MOTIF ES) SMF format 0, 1 (Format 1 load only)
Others	
Master	User: 128 * 4 Zones (Master keyboard settings), Assignable Knob/Slider settings, Program Change Table
Sequence Software compatible with the Remote Control function	For Windows®: Cubase SX 3, Cubase 4/5/AI, SQ01 V2, SONAR 4/5.2/8 For Macintosh®: Cubase SX 3, Cubase 4/5/AI, Logic 7.2/Pro 7/Pro 8, Digital Performer 4.52/5/6 * Functions to be controlled differ depending on the software.
Controllers	Pitch Bend wheel, Modulation wheel, Assignable Control Sliders (4), Assignable Knobs (4), Data dial
Display	240 × 64 dot graphic backlit LCD
External Memory	USB storage device
Jack and Terminals	OUTPUT L/MONO, R (standard phone jack), FOOT SWITCH, FOOT CONTROLLER, MIDI IN/OUT/THRU, USB (TO HOST, TO DEVICE)
Power Consumption	13.5 W
Dimensions (W × H × D)	MO8: 1,357 × 386 × 167 mm (53-7/16" × 15-3/16" × 6-9/16") MO6: 1,023 × 382.7 × 101.9 mm (40-1/4" × 15-1/16" × 4")
Weight	MO8: 21 kg (46.3 lbs.) MO6: 10.4 kg (22.9 lbs.)
Power Supply	PA-5D or PA-150, or an equivalent recommended by Yamaha
Accessories	AC Adaptor, Owner's Manual, Data List Disk × 1 (containing DAW software)

Music Production Synthesizer

MM8 / MM6

CUBASE AI5

Direct Descendant of the MOTIF Offers Everything from Performance to Music Creation in an Easy-To-Use, Lightweight Keyboard

- 418 high quality voices and 22 drum kits based on the pro-level MOTIF series synthesizers.
- 88-key graded hammer standard (GHS) keyboard delivers natural, smooth, and responsive playability (MM8 only).
- Real-time knobs offer extensive control.
- Pattern and arpeggiator generators provide dynamic music creation.
- Performance memory provides instant full panel setting changes.
- Built-in sequencer features 8 normal tracks plus 8 pattern tracks.
- USB connector offers convenient data storage and music production system connection.

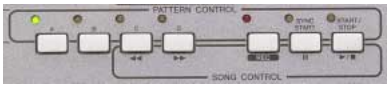
MM8

MM6

MM8 Rear Panel

MM6 Rear Panel

Arpeggiator Madness



Patterns for Jamming

Tweak Your Sound

Graded Hammer Standard (GHS) keyboard (MM8)

CUBASE AI software included

Music Production Synthesizer MM8/MM6

	MM8	MM6
Keyboards	88 keys GHS Keyboard (Initial touch)	61 keys (Initial touch)
Tone Generator block		
Tone Generator	AWM2	
Polyphony	32 notes	
Multi Timbral Capacity	16 parts	
Wave	70MB (when converted to 16-bit linear format)	
Voice	Preset: 418 normal voices + 22 drum kits GM: 128 normal voices + 1 drum kit	
Performance	8 banks × 8	
Effect System	Reverb × 25 types, Chorus × 30 types, Variation × 189 types	
Master Equalizer	5 types	
Sequencer block		
Note Resolution	96 ppq (parts per quarter note)	
Tempo	11–280 BPM (Beats Per Minutes)	
Recording type	Real time replace	
Tracks	8 + 8 (Pattern track)	
Patterns	168 patterns (× 4 sections)	
Songs Preset	Preset: 3 songs User: 5 songs USB: 400 songs maximum	
Arpeggio	Preset × 213 types	
Others		
Controllers	Pitch Bend wheel × 1, Modulation wheel × 1, Knob × 4, Data Dial × 1	
Display	320 x 240 dot Graphic LCD (Backlit)	
Connectors	OUTPUT L/MONO, R (standard phone jack), PHONES (standard stereo phone jack), FOOT CONTROLLER, SUSTAIN, MIDI IN/OUT, USB (TO HOST, TO DEVICE), DC INLET	
Power Consumption	12W	
Dimensions, Weight	1340 (W) × 445 (D) × 157 (H) mm, 15.6 kg	949 (W) × 445 (D) × 157 (H) mm, 5.0 kg
Accessories	AC Adaptor (PA-5D or PA-150, or an equivalent recommended by Yamaha), Owner's Manual, Supplied Disk (supplied DAW software)	

Music Synthesizer

S90XS/S70XS

The Perfect Balance of Synthesizer and Piano

- Features 456MB of sounds that include all the great sounds, voices, etc., found in the MOTIF XS.
- 142MB dedicated to grand piano sounds, which include a new S6 Concert Grand sample in addition to a CF IIIS.
- 76- note and 88-note configurations both feature Yamaha's weighted balanced hammer (BH) keyboard for natural, smooth, and responsive feel.
- Performance Creator allows quick and easy creation of custom performances.
- Records audio to either an external memory device connected to the USB port, or 192MB internal flash memory.
- Combo input jack with gain knob and peak lamp allows connection of a microphone, etc., for live performance or recording.
- Integrates with Cubase (Cubase AI5 included) and comes with the XS Editor for sound editing.
- Control DAW applications and VST instruments directly from the front panel. 50 templates included.

Performance Control buttons / Knob Function buttons / Knobs

Performance Creater Buttons

S90 XS/S70 XS Editor VST

Cubase AI5 included

S90XS

STUDIO CONNECTIONS

CUBASE AI5

Rear Panel

S70XS

STUDIO CONNECTIONS

CUBASE AI5

Recording Direct to USB Memory

Mic Input

Rear Panel

Music Synthesizer
S90 XS / S70 XS

		S90 XS	S70 XS
Keyboard		88 keys, Balanced Hammer Effect Keyboard (Initial Touch/Aftertouch)	76 keys, Balanced Hammer Effect Keyboard (Initial Touch/Aftertouch)
Tone Generator block	Tone Generator	AWM2 with Expanded Articulation	
	Maximum polyphony	128 notes	
	Multi-Timbral Capacity	16 Internal Parts + Mic Input Part	
	Wave	456 MB (when converted to 16-bit linear format), 2,772 waveforms	
	Voice	Preset: 1,024 normal voices + 64 drum kits GM: 128 normal voices + 1 drum kits User: 128 × 4 (Bank 1 – 3: selected and copied from Preset bank) Normal Voice + 32 drum kits	
	Performance	User: 128 × 4 (up to 4 Parts)	
	Multi	User: 128	
	Filter	18 types	
	Effects	Reverb × 9 types, Chorus × 22 types, Insertion (A, B) × 53 types × 8 blocks, Vocoder × 1 (uses both Insertion Effect A and B blocks), Master Effect × 9 types, Master Equalizer (5 bands), Part EQ (3 bands, stereo)	
Sequencer Section	Sequence Play	SMF Format 0/1 (playback only)	
	BPM (Tempo)	5 – 300	
	Number of Chain Steps	100	
	Arpeggio	Preset × 6,779 types User × 256 types (when loading the User Arpeggio data of MOTIF XS).	

		S90 XS	S70 XS
Audio Rec/ Play Section	Format	Recording: WAVE (.wav/44.1kHz/16-bit/stereo) Playback: WAVE (.wav/44.1kHz/16-bit/stereo), AIFF (.aif/44.1kHz/16-bit/stereo)	
Other	Master	User: 128 * 4 Zones (Master keyboard settings), Assignable Knob/Slider settings, Program Change Table	
	Sequence Software compatible with the Remote Control function	For Windows®: Cubase SX 3, Cubase 4/5/AI, SQ01 V2, SONAR 4/5.2/8 For Macintosh®: Cubase SX 3, Cubase 4/5/AI, Logic 7.2/Pro 7/Pro 8, Digital Performer 4.52/5/6 * Functions to be controlled differ depending on the software.	
	Controllers	Pitch Bend wheel, Modulation wheel, Sliders (4), Knobs (4), Assignable Function button (2), Data dial, Input Gain	
	Display	160 × 64 dot graphic backlit LCD	
	Jack and Terminals	OUTPUT L/MONO, R (standard phone jack), ASSIGNABLE OUTPUT L, R (standard phone jack), MIC INPUT (combo jack), PHONES (standard stereo phone jack), FOOT CONTROLLER 1, 2, FOOT SWITCH × 2 (SUSTAIN, ASSIGNABLE), MIDI IN/OUT/THRU, USB (TO HOST, TO DEVICE), AC IN	
	Power Consumption	25 W	
	Dimensions, Weight	1,472 (W) × 385 (D) × 173 (H) mm 22.4 kg	1,320 (W) × 385 (D) × 173 (H) mm 20.4 kg
	Accessories	AC Power cord, Owner's Manual (this book), Owner's Manual CD-ROM (containing Reference Manual and Data List), DVD-ROM (containing DAW software)	

Stage Piano

CP1/CP5/CP50

CUBASE AI5

EXPRESS YOUR PASSION FOR PLAYING

- New SCM tone generating system exclusively for acoustic and electric pianos delivers expressive tone.
- Newly developed NW-STAGE wooden keyboard offers matched tone and touch
- Customizing totally original piano sounds
- Convenient master-keyboard function

The development of the new CP series started with the no-compromise CP1. This is a premium instrument with a commitment to both tradition and innovation. The core sound technology inside the new CP Series was completely re-designed from the ground up. A unique new Spectral Component Modeling tone generation system recreates the sound of acoustic and vintage electronic pianos more faithfully than anything else has ever done. This new technology responds to the player's touch allowing more creative expression than ever before possible. Yamaha even developed a special NW-STAGE wooden key action specifically to meet the demands of top pros. Simply put, this combination of touch and tone make the CP1 the most expressive stage piano that has ever been created.

CP1

CUBASE AI5

Providing the ultimate in acoustic and vintage electric piano touch and tone, the CP1 is Yamaha's flagship designed for the demanding pro.

Rear Panel

- SCM technology delivers 17 acoustic and vintage electric piano sounds with unprecedented accuracy and audio quality
- NW-Stage wood weighted keyboard delivers perfect playability with true piano feeling
- Customize different components of the piano sound to create your own original instruments
- Master keyboard function specially designed for on-stage use offers up to four virtual zones assignable to four different tone generators
- The CP1 pedal unit includes sustain, sostenuto, and soft pedals

Newly developed NW-STAGE wooden keyboard offers matched tone and touch

CP5 CUBASE AI5

Combining Yamaha's core Spectral Component Modeling technology plus a wide range of sounds and functions. The CP5 has all the features for the pro player.

Rear Panel

- SCM technology delivers 11 acoustic and vintage electric piano sounds with unprecedented accuracy and audio quality
- NW-Stage wood weighted keyboard delivers perfect playability with true piano feeling
- 305 additional sounds include clavs, organs, strings, and more plus various effects
- Record and playback capabilities for both MIDI and audio
- Mic/instrument audio input and onboard rhythm patterns offer added versatility

SCM Piano Block

		CP1	CP5	CP50
Acoustic Piano Type	CFIIIS	2	1	1
	S6B	2	1	0
Electric Piano Type	CP80	2	2	2
	Rd I	3	3	1
	Rd II	2	2	0
	Wr	2	2	2
Synthesizer Piano Type	DX7	4	6*	6*

*DX7 sounds for CP5/CP50 are AWM2 (PCM sampled) voice.

Spectral Component Modeling (SCM) recreates acoustic and vintage electric piano sounds with unprecedented accuracy and stunning audio quality.

CP50 CUBASE AI5

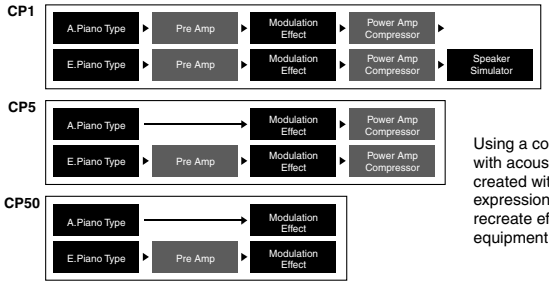
Delivers high quality sound that will satisfy even professionals. Easy-to-carry compact and lightweight model.

Rear Panel

- SCM technology delivers 6 acoustic and vintage electric piano sounds with unprecedented accuracy
- 215 additional sounds include clavs, organs, strings, and more
- 88-key weighted graded hammer action offers excellent grand piano feel
- Record and playback capabilities for both MIDI and audio
- Onboard rhythm patterns offer added versatility

88-Key Weighted Graded Hammer Action

SCM Block Diagram



Using a component block structure, SCM starts with acoustic and vintage electric piano sounds created with stunning clarity, adding even greater expression and authenticity through blocks that recreate effect units, amplifiers, and other equipment essential to the overall sound.

Stage Piano
CP1 / CP5 / CP50

		CP1	CP5	CP50
Keyboard		88 keys, NW-STAGE keyboard (Wooden synthetic ivory weighted keyboard)		88 keys, GH keyboard
Maximum Polyphony		128	128	128
Tone Generator		SCM	SCM + AWM2	SCM + AWM2
Performances	**Preset**	16 × 3 banks	10 × 4 groups × 3 banks	10 × 4 groups × 3 banks
	User	16 × 3 banks	10 × 4 groups × 3 banks	10 × 4 groups × 3 banks
	External (USB Flash Memory)	16 × 3 banks	10 × 4 groups × 3 banks	10 × 4 groups × 3 banks
	Parts	2	6	3
	Voice Block	17 piano types	17 piano voices + 305 other voices	12 piano voices + 215 other voices
	Modulation Effect Block	10 types	49 types	49 types
	Power Amplifier / Compressor Block	8 types	8 types	—
	Reverb	8 types	8 types	8 types
	Master Compressor	—	3-band	3-band
	Master Equalizer	5-band	5-band	3-band
Rhythm	**Number of kits**	—	14	14
	Number of Patterns	—	100	100
Display		55 character × 2 lines, VFD	24 character × 2 lines, VFD	24 character × 2 lines, VFD
Controllers		Pitch bend wheel, Master volume, Knobs 1 to 6	Pitch bend wheel, Master volume, Knobs 1 to 3, Part volume × 6, Gain Master equalizer × 5	Pitch bend wheel, Master volume, Knobs 1 to 3, Part volume × 3, Master equalizer × 3
Connectors	**Output**	PHONES L /MONO, R (Unbalanced) L, R (Balanced)	PHONES L /MONO, R (Unbalanced) L, R (Balanced)	PHONES L / MONO, R (Unbalanced)
	Foot Switch	SUSTAIN, SOSTENUTO, SOFT, ASSIGNABLE	SUSTAIN, ASSIGNABLE	SUSTAIN, ASSIGNABLE
	Foot Controller	× 2	× 2	× 1
	Mic Input	—	× 1	—
	MIDI	IN, OUT, THRU	IN, OUT, THRU	IN, OUT, THRU
	USB	TO HOST, TO DEVICE	TO HOST, TO DEVICE	TO HOST, TO DEVICE
Power Consumption		28W	25W	7W
Dimensions (W × D × H; not including pedal unit)		1,385 × 420 × 173 mm	1,381 × 405 × 174 mm	1,381 × 332 × 165 mm
Weight (not including pedal unit)		27.2 kg	25.2 kg	20.9 kg
Additional Package Contents		Power cord, Pedal unit, Illustrated Guide to the CP1 booklet, Owner's Manual, Data List booklet, Software DVD-ROM*	Power cord, Foot pedal FC3, Owner's Manual, Owner's Manual CD-ROM, Software DVD-ROM*	Power adaptor PA-150 (or an equivalent recommended by Yamaha), Foot Pedal FC3 Owner's Manual, Owner's Manual CD-ROM, Software DVD-ROM*
Options		Keyboard Stand: LG-800, Foot Pedal: FC3, Foot Switch: FC4, FC5, Foot Controller: FC7, FC9		

Rear Panel

LP-3
Keyboard Stand (for CP300)

Stage Piano
CP300

CUBASE AI5

Authentic touch and tone for live performance

- Combines the sound and expressiveness of a superbly mic'd grand piano with the portability of a modern digital instrument.
- 88-Key premium graded hammer (GH) keyboard delivers authentic touch and powerfully expressive.
- Real-time controllers include sliders and pitch bend/ modulation wheels. Also 4 pedal connectors.
- Master mode for controlling up to four external tone generators.
- Built-in high-quality stereo speaker system. Balanced XLR outputs.

Stage Piano
CP300

Keyboards	88 keys Graded Hammer Effect keyboard (Initial Touch)
Tone Generator	AWM Dynamic Stereo Sampling
Polyphony (max.)	128
Voices	Presets: 50 Voices XG Voices: 480 Voices + 12 Drum kits
Performances	64 Performances × 56 files (max.)
Effects	Reverb, Chorus, Master Equalizer, Variation effect, Insertion effect × 3
Controllers	Pitch Bend Wheel, Modulation Wheel, Master Equalizer Slider (5), Zone Control Slider (4), Song Volume Slider
Display	24 characters × 2 lines, LCD with back-light
Sequencer Block	16-track recording/playback, Tempo adjustment, max. capacity: 1.4 MB, 140,000 notes
Jack and Terminals	OUTPUT (L/MONO, R), XLR OUTPUT (L/R), INPUT (L/MONO, R), PHONES, MIDI (IN/OUT/THRU), USB TO HOST, ASSIGNABLE FOOT PEDAL (SUSTAIN/SOSTENUTO/ SOFT/AUX), AC INLET
Main Amplifiers	30 W × 2
Speakers	13 cm × 2
Dimensions (W × D × H)	1,391 × 460 × 170 mm (54-3/4" × 18-1/8" × 6-15/16")
Weight	32.5 kg (71 lbs., 10 oz)
Accessories	AC Power Cord, Foot Pedal FC3, Owner's Manual, Disk × 1 (containing DAW software)

Rear Panel

Stage Piano

CP33 CUBASE AI5

Compact unit delivers authentic touch and tone

- Combines the sound and expressiveness of a superbly mic'd grand piano with the portability of a modern digital instrument.
- 88-Key premium graded hammer (GH) keyboard delivers authentic touch and powerfully expressive.
- Compact, light, and portable design offers easy transport and setup.
- On-board reverb, and other effects plus comprehensive MIDI functions.
- Real-time controllers include sliders and pitch bend/modulation wheels.

Stage Piano
CP33

Keyboards	88 keys Graded Hammer Effect keyboard (Initial Touch)
Tone Generator	AWM Dynamic Stereo Sampling
Polyphony (max.)	64
Voices	14 × 2 variations for each Voice
Effects	Reverb, Effect, Brilliance
Controls	Dual, Split, Click, Transpose, Touch (Hard/Medium/Soft/Fixed), Functions
Pedal	SUSTAIN PEDAL (can be used with half-pedal effect), AUX PEDAL (assignable to various functions)
Controllers	Pitch Bend Wheel, Modulation Wheel, Zone Control Sliders
Jack and Terminals	OUTPUT (L/MONO, R), INPUT (L/MONO, R), PHONES, MIDI (IN/OUT/THRU)
Dimensions (W × D × H)	1,312 × 330 × 151 mm (51-5/8" × 13" × 5-15/16")
Weight	18 kg (39 lbs., 11 oz)
Power Supply	PA-3C or PA-130, or an equivalent recommended by Yamaha
Accessories	Foot Pedal FC3, AC Adaptor, Owner's Manual, Disk × 1 (containing DAW software)

Wind MIDI Controller

WX5

BREATHES LIFE INTO MIDI!

- Plays like wind instrument — controls any MIDI tone generator or sequencer
- Advanced wind and lip sensors provide extraordinary sensitivity and unprecedented expressive control

***Wind MIDI Controller* WX5**

Controls	Note keys (16 keys incl. assignable high keys (2)), Octave Change Keys (4) (Control range: 7 octave), Pitch Bend wheel, Setup Switch, Hold Switch (Key hold/Sustain/Portament), Program Change Switch, Power On/Off Switch
Rotary Controls	WIND ZERO, WIND GAIN, LIP GAIN, LIP ZERO
Transpose	Key Transpose: C2/Bb1/Eb2, Octave Transpose: 5 steps (-2/-1/0/+1/+2)
Fingering	Saxophone (a), Saxophone (b), Saxophone (c), Flute
Dip Switches	Velocity: On/Off, Wind Data: CC#2 (Breath Controller)/CC#7 (Volume)/CC#11 (Expression), Wind Curve: Normal/Hard, Lip Mode: Tight Lip/Loose Lip, Lip Range: Normal/Wide, Lip Data: Pitch bend/Modulation wheel, Lip + CC#18 (Gen3): On/Off, Transpose: C2/Bb1/Eb2, Fingering: Saxophone (a)/(b)/(c)/Flute, Fast Response: On/Off, High D, D# key assign: On (D: CC#81, D#: CC#80)/Off, Pitch Bend Data: Pitch bend Up & Pitch bend Down/Modulation wheel & Pitch bend Down/CC#16 (Gen1) & CC#17 (Gen2)/Brightness Up & Brightness Down
Sensors	Wind Sensor, Lip Sensor
LED	Red LED × 2 (WIND Monitor, LIP ZERO Monitor)
MIDI transmit Channel	1 – 16 channel
Jack and Terminals	MIDI Out Connector, WX Out Connector (Power and MIDI Out), DC in Jack
Dimensions (L × W × D)	611 × 62 × 70 mm (24-1/16" × 2-7/16" × 2-3/4")
Weight	520 g (18.3 oz.)
Power Supply	UM-4, AAA, R03 × 6, Optional PA-3C or PA-130 AC Adaptor, WX Out Connector (from compatible Yamaha Tone Generators or BT7 MIDI/Power Pack)
Accessories	Saxophone type Mouthpiece (attached), Mouthpiece Cap (attached), Recorder type Mouthpiece, Soft Case, WX Cable, Strap, Recorder Cream

MIDI Foot Controller

MFC10

- Convenient foot control of MIDI program numbers and control changes — a must for MIDI musicians
- Expandable with an extra foot controller and WX input

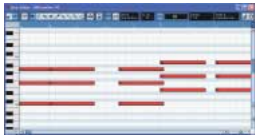
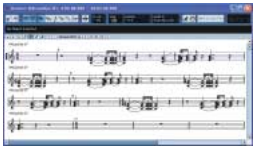
CUBASE AI5

steinberg
Creativity First

- Based on Steinberg's Cubase 5 Audio Engine
- 48 audio tracks and up to 64 MIDI tracks
- HALion ONE software sample player with selected MOTIF sounds
- Plug-and-play VST/MIDI setup
- Studio Connections "Recall" as well as product-specific functions for perfect integration between software and hardware
- MIDI controllers and automation consolidation

Cubase AI 5 is a special version of Steinberg's powerful Cubase5 DAW software that comes bundled with selected Yamaha audio hardware and keyboards. Using the same core technologies as Steinberg's Cubase 5 advanced music production system, Cubase AI5 offers an excellent selection of tools for composing, recording, editing, and mixing.
The Cubase system combined with Yamaha hardware creates a complete system solution for recording music with studio quality. This sophisticated DAW application lets you record data from your Yamaha keyboard via MIDI, use the software's plug-in synthesizers, edit, process with effects, arrange, and perform final mixdown all within the same application.

Advanced Integration (AI) technology, developed in close collaboration between Yamaha and Steinberg, allows for seamless integration of the DAW software with compatible hardware from Yamaha. AI delivers an exceptional level of plug-and-play operation, carrying out settings required by the connected hardware such as driver selection, input and output configuration, and remote settings. This technology also offers various dedicated remote functions, data exchange and more.


Piano Roll

Score

Studio Connections technology, another Yamaha/Steinberg collaboration, also offers seamless integration of hardware into the software, letting you use compatible instruments like the MOTIF XF directly and seamlessly within the computer-based DAW application, just as if it were a plug-in synthesizer. Plug-and-play support means that whenever you open a project, the MOTIF XF is automatically enabled along with all of the custom settings you saved last. Panel controls on the MOTIF XF let you remotely control a wide range of operations in Cubase AI5 conveniently from the keyboard. And since song files on the MOTIF XF are in Cubase format, its easy to import material you've created on the MOTIF XF into tracks in Cubase 5 for further editing and mixing.

Cubase AI5 features MediaBay universal sound manager system used for managing all of your sounds, presets, and loops as well as your MOTIF XF voices, in one central database where it is easy to access and organize. The DAW application also includes the powerful HALion ONE software sampler, a sample playback plug-in that works seamlessly with the sequencer providing hundreds of ready to play sounds using high quality samples that include a variety of acoustic and electronic instruments as well as synth patches and drums.

HALion ONE

Cubase also provides a number of refined and useful tools for controlling and editing your recordings. The main project window offers easy record and cut-and-paste editing while detailed editing can be performed in various editing windows such as the Sample Editor for audio, and the Key, Drum, Score, and List editors for MIDI. Cubase also features 31 VST effects that include 22 VST plug-ins so you can process your tracks without the need for external processing.

Wave Edit

Mastering

Media Bay

Digital Mixing Studio

n12 / n8

n12 Rear Panel

n8 Rear Panel

- Digital mixer and production center that works seamlessly with an advanced version of Steinberg CUBASE.
- Class-A discrete mic preamps with inverted Darlington circuitry design for exceptional musicality and low distortion.
- Sweet Spot Morphing Compressor offers great sounding compression with two knob operation.
- High resolution Rev-X digital reverb and digital ±18dB 3-band channel EQ built-in.
- Independent AUX bus for artist cue mix.
- Dry/wet monitor control and quick bus assign control on each channel.

- n12—12 input channels w/8 class-A mic preamps, 2 stereo line inputs, 16 in/out Firewire audio interface and surround monitoring capabilities.
- n8—8 input channels w/4 class-A mic preamps, 2 stereo line inputs, and 12 in/out Firewire audio interface.

Digital Mixing Studio n12 / n8

Electrical Specifications

Sample Rate	**Internal**		44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
	External		44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz (±0.1 %)
Total Harmonic Distortion	**GAIN: Minimum**		0.003 % or less (1 kHz @ +18 dB, into 600Ω)
Frequency Response	**fs = 48 kHz**		20 Hz–20 kHz, +1, –3 dB @ +4 dB, into 600Ω
(CH IN to STEREO OUT)	**fs = 96 kHz**		20 Hz–40 kHz, +1, –3 dB @ +4 dB, into 600Ω
Dynamic Range			114 dB, DA converter (STEREO OUT)
(SN ratio at the maximum level)			106 dB, AD + DA (to STEREO OUT)
Hum & Noise			–128 dB, Equivalent input noise
(20 Hz–20 kHz)			–95 dB, Residual output noise, STEREO fader: Minimum
Rs = 150	**GAIN: Maximum**		–95 dB (99 dB SN), STEREO OUT
	PAD: OFF		STEREO fader: Nominal level, All channel faders: Minimum
	GAIN: –60 dB		–60 dB (64 dB SN), STEREO OUT
	PAD: OFF		STEREO fader: Nominal level, One channel fader: Nominal level
Maximum Voltage Gain		**n12**	84 dB, CH1–8 to STEREO OUT/C-R OUT
			50 dB, CH9–12 to STEREO OUT/C-R OUT
			76 dB, CH1–8 to AUX OUT
			42 dB, CH9–12 to AUX OUT
		n8	76 dB, CH1–4 to STEREO OUT/C-R OUT
			42 dB, CH5–8 to STEREO OUT/C-R OUT
Crosstalk @ 1 kHz		**n12**	–86 dB, CH1–8
GAIN: Minimum			–80 dB, CH9–12
Adjacent Input		**n8**	–86 dB, CH1–4
			–80 dB, CH5–8

General Specifications

Faders	**n12**	100 mm × 11 (Non-motorized)
	n8	60 mm × 7 (Non-motorized)
Power Requirements	**n12**	51 W (PA-30)
	n8	33 W (PA-20)
Dimensions (H × D × W)	**n12**	146 × 561 × 515 mm
	n8	146 × 518 × 368 mm
Net Weight	**n12**	14 kg
	n8	11 kg
Operating Free-air Temperature Range		+5 to +35 °C
Included Accessories		AC power adaptor (n12: PA-30, n8: PA-20) DVD-ROM (CUBASE AI) CD-ROM (TOOLS for n) Owner's Manual TOOLS for n/CUBASE AI Installation Guide IEEE1394 cable

Advanced Integration with CUBASE

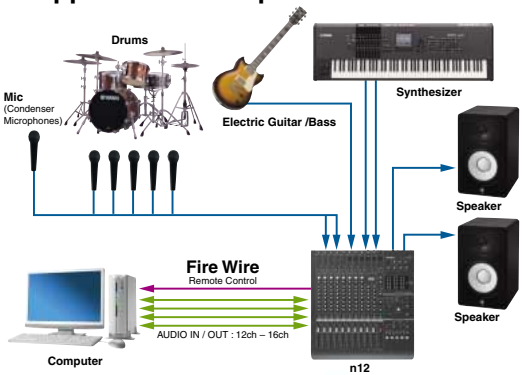
CUBASE® READY LED

The n8 and n12 link seamlessly to CUBASE DAW software, providing extensive mixer/software synchronization that offers unmatched power and efficiency for recording and mixdown.

Some of the synchronized control capabilities are:

- CUBASE® READY LED
- Transport Control / Track Selection / Click Remote
- Work Mode Selection
- Dry or Wet Monitoring
- Project Templates for the n8 and n12

n series Application Examples



Computer Recording System

AUDIOGRAM 6 / AUDIOGRAM 3

- Hardware audio interfaces bundled with software for recording and a USB cable turns your computer into a powerful yet intuitive tool for recording and editing audio.
- USB bus powered eliminates need for external power supply.
- The Audiogram 6 features a mixer type interface with two XLR combo inputs with preamps and single knob compression. One input has switchable phantom power. Also included are two stereo input channels, stereo out and headphone out plus USB connections.
- The Audiogram 3 features one phantom powered combo jack with a mic/line switch, stereo input, stereo and headphones output, plus USB jack for connecting to a computer.

Audio interface also with mixer functionality

Mic preamps for high-quality recordings

Setting compression has never been easier

One-touch switching between mono and stereo inputs

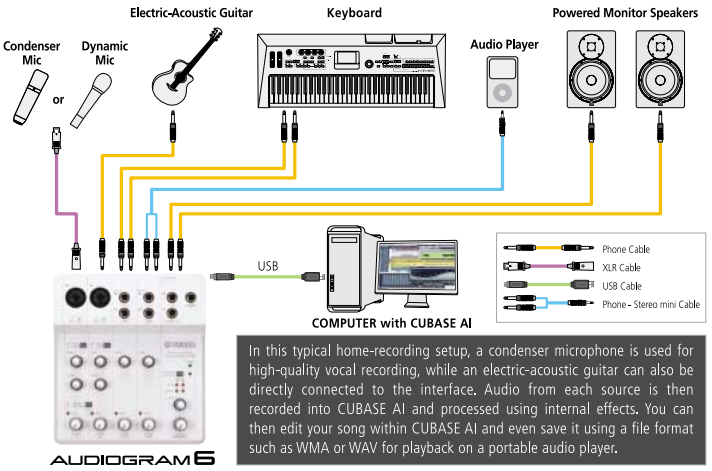
Easy balancing of audio inputs and playback

USB bus-powered interface

AUDIOGRAM 6

USB 2.0 CUBASE AI5

Audiogram Application Examples

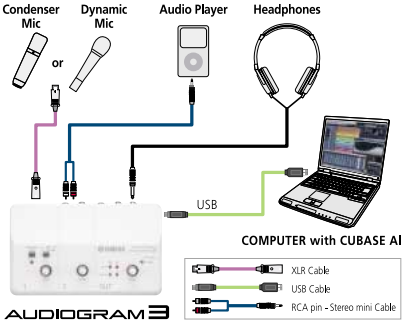


In this typical home-recording setup, a condenser microphone is used for high-quality vocal recording, while an electric-acoustic guitar can also be directly connected to the interface. Audio from each source is then recorded into CUBASE AI and processed using internal effects. You can then edit your song within CUBASE AI and even save it using a file format such as WMA or WAV for playback on a portable audio player.

AUDIOGRAM 3 USB CUBASE AI5

Rear Panel

Audiogram Application Examples



In this mobile setup, either dynamic or condenser microphones can be selected to suit quality requirements or the recording environment. For example, this configuration is ideal for recording narration together with background music from a portable audio player or for recording sound at different external locations.

Computer Recording System AUDIOGRAM 6 / AUDIOGRAM 3

	Audiogram 6	Audiogram 3
Jacks		
MIC/INST Input Jack	Combo jacks (Mic/Hi-Z) × 2	Combo jack (Mic/Hi-Z) × 1
LINE Input Jacks (L, R)	Phone jacks × 2	Phone jacks × 1, RCA pin jacks × 1
PHONES Jack	Phone jack × 1	
STEREO OUT Jacks (L, R)	Phone jacks × 1	Phone jacks × 1 RCA pin jacks × 1
USB Connector	USB 1.1 44.1/48 kHz, 16 bit × 1	
Controls		
MIC/INST Switch	MIC: for microphones × 2 INST (Hi-Z): for guitars, etc.	MIC: for microphones × 1 INST (Hi-Z): for guitars, etc.
GAIN Control	Gain for CH 1-5/6 × 4	—
COMP Control	Compressor for CH 1, 2 × 2	—
MONO/STEREO Switch	MONO: CH 1, 2 signals fuction as independent mono channels. × 1 STEREO: CH 1, 2 signals fuction as a stereo pair.	— —
LEVEL Control	Adjust the level of CH 1-5/6 × 4	Adjust the level of CH 1, 2 × 2
PHANTOM +48V Switch	48 V, only for CH1 × 1	
DAW Control	Adjusts the DAW playback signal × 1	—
MASTER LEVEL Control	Adjusts the overall signal × 1	—
OUT LEVEL Control	—	Adjusts the overall signal × 1

Indicators		
Level Indicators	2 points (green, red) × 1	
PEAK Indicator	Red × 4	—
Phantom Power	Red × 1	
Power	Green × 1	
Power Supply	USB bus-powered	
Dimensions (W × D × H)	170 × 59 × 192 mm	180 × 61 × 112 mm
Net Weight	760 g	490 g
Included Accessories	Cubase AI DVD-ROM USB cable Owner's Manual	

USB Mixing Studio

MW12CX / MW12C

MW8CX / MW10C

USB CUBASE AI5

MW12CX

MW12C

MW8CX

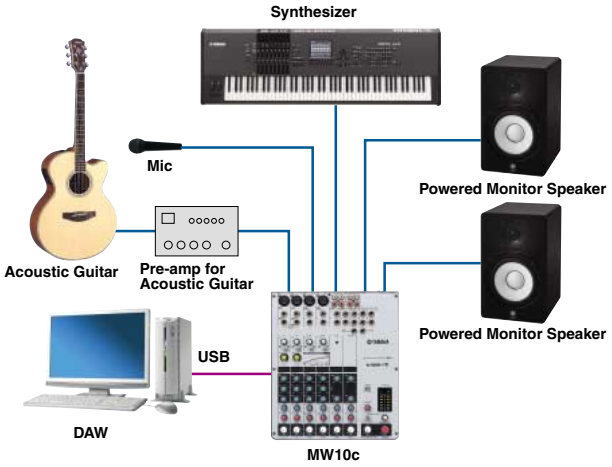
MW10C

The Easiest Way to Turn your Computer Into a Home Studio

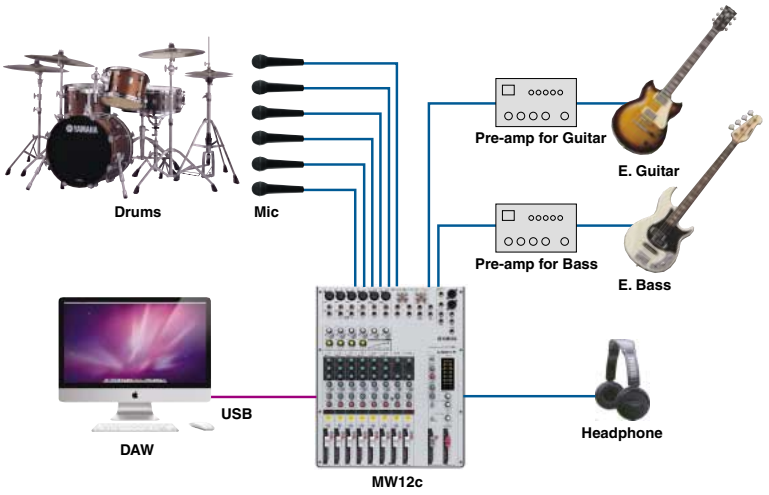
- Bundled with Cubase AI software turns your computer into a high-quality audio recording studio.
- Single USB connection provides bi-directional audio data transfer between the mixer and your computer.
- Flexible configurations feature 8 or 10 channels with 4 ultra-low noise mic preamps, or 12 channels with 6 ultra-low noise mic preamps.
- Assignable REC OUT busses on the MW12C and MW12CX provide added flexibility in signal routing for recording and monitoring.
- Easy-to-use one-knob compression on mono input channels.
- Monitor mix control offers simple balanced control between recording and playback signals.
- Easy-access panel with top-mounted input and output connectors for quick setups.
- High-Quality Neutrik™ balanced XLR connectors for all microphone inputs.
- Built-in SPX effects on the MW8CX and MW12CX offer a variety of reverb, delay, modulation, and distortion with editable parameters.
- Dedicated Channel ON switches for each channel on the MW12C and MW12CX are illuminated for instant status verification.

MW Application Examples

● Songwriting and Solo Productions



● Band Recording



USB Mixing Studio MW12CX / MW12C / MW8CX / MW10C

		MW12CX	MW12C	MW8CX	MW10C
Frequency Response	ST OUT, REC OUT, AUX (EFFECT*) SEND, MONITOR OUT	-3.0, 0, 1.0 dB, GAIN: min (CH 1-4, CH 5/6-7/8), 20Hz-20kHz, refer to the nominal output level@1kHz		-3.0, 0, 1.0 dB, GAIN: min (CH 1-2, CH 3/4-5/6), 20Hz-20kHz, refer to the nominal output level@1kHz	
Total Harmonic Distortion (THD+N)	ST OUT	Less Than 0.1%, +14dBu, 20Hz-20kHz, Input Gain Control at minimum			
Hum & Noise Hum & Noise are measured with a GdB/octave filter @12.7kHZ; equivalent to a 20kHz filter with infinite dB/octave attenuation."	CH INPUT 1-4 MIC	-128 dBu, EIN (Equivalent Input Noise): Rs=150Ω, GAIN: max			
	ST OUT, REC OUT	-88 dBu, ST, REC Master fader at nominal level and all Ch level controls at minimum.		-87 dBu, ST master control at nominal level and all Ch level controls at minimum.	
	AUX (EFFECT*) SEND	-81dBu, AUX Master control at nominal level and all Ch mix controls at minimum.		-85dB, All Ch AUX controls at minimum.	
	ST OUT, REC OUT	-64 dB, ST, REC Master fader and one Ch fader at nominal level.		-64 dB, ST Master control and one Ch level control at nominal level. (CH1,2)	
	ST OUT	-98 dB, Residual Output Noise.		-100 dB, Residual Output Noise.	
Crosstalk@1kHz	Input to Output	-70dB, STEREO L/R, CH 1-4, PAN panned Hard left or right.		-70dB, STEREO L/R, CH 1-2, PAN panned Hard left or right.	
Phantom Voltage	MIC	+48 V			
USB Audio I/O Sampling Frequency		44.1, 48 kHz, Depend on the application of PC			
Input HPF		CH 1-4 and CH 5/6-7/8, 80Hz, 12dB/oct		CH 1-2 and CH 3/4-5/6, 80Hz, 12dB/oct	
Input Equalization +15, -15dB maximum. Turn over/roll-off frequency of shelving: 3dB blow maximum variable level.	High	10kHz shelving (CH 1-4, CH 5/6-7/8)		10kHz shelving (CH 1-2, CH 3/4-5/6)	
	Mid	2.5 kHz peaking (CH 1-4, CH 5/6-7/8)		2.5 kHz peaking (CH 1-2, CH 3/4-5/6)	
	Low	100 Hz shelving (CH 1-4, CH 5/6-7/8		100 Hz shelving (CH 1-2, CH 3/4-5/6)	
	High	10 Hz shelving (CH 9/10, CH 11/12**)		10 Hz shelving (CH 7/8, CH 9/10**)	
	Low	100 Hz shelving (CH 9/10, CH 11/12**)		100 Hz shelving (CH 7/8, CH 9/10**)	
PEAK Indicator		Red LED turns on when post EQ (ST CH: or post Mic HA) signal reaches -3dB below clipping (17dBu)			
Internal Digital Effect		16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—	16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—
LED Level Meter	Pre MONITOR Level	2 × 12 points LED meter (PEAK, +10, +6, +3. 0, -3, -6, -10,-15, -20, -25, -30 dB) PEAK lights if the signal comes within 3dB of the clipping level.		2 × 7 points LED meter (PEAK, +6, +3, 0, -5, -10, -2dB) PEAK lights if the signal comes within 3dB of the clipping level.	
Power Supply Adapter		PA-20		PA-10	
Power Consumption		30W		21W	
Dimensions	W × D × H (mm)	346.2 × 436.6 × 86.1		256.6 × 302.5 × 62.2	
Net Weight		3.2kg	3kg	1.7kg	1.6kg
Option		Foot Switch (FC5)	—	Microphone Stand Adaptor (BMS-10A), Foot Switch (FC5)	Microphone Stand Adaptor (BMS-10A)

All fader are nominal when measured. (Nominal position is adjusted to a position that is 6dB lower than the MAX position) Output impedance of signal generator; 150ohms

*EFFECT SEND exists only in MW8CX, MW12CX **: ST CH IN 9/10 exists only in MW10C

Advanced Integration USB Studio

CI 2+ CUBASE ESSENTIAL 5
CI 2 CUBASE AI 5
CI 1 SEQUEL LE WAVELAB LE 7

Compact Consoles Offer Seamless Integration With Bundled Production Software

Compact Consoles Offer Seamless Integration With Bundled Production Software
Steinberg's CI series consoles are USB powered computer audio interfaces that offer high-quality hardware interfaces with ready-to-use production software for producing and recording music on a computer with ease. All three units feature combination input jacks with phantom power for recording professional quality audio. A Hi-Z input lets you connect electric instruments directly to the unit eliminating the need for a DI box. Hardware provides seamless integration with the accompanying Steinberg software.

- Two high-quality mic/line inputs with XLR-combo jacks and phantom power
- Hi-Z input on Line 1
- Two balanced TRS line outputs plus one phones output
- Up to 24-bit/48kHz latency-free hardware monitoring
- USB powered

CI2+

- Smart mouse-over control of Cubase with the AI knob
- Hands-free recording with interactive recording and footswitch operation
- Dedicated hardware control of Cubase transport functions
- Easy setup and workflow with Project Assistant and browsing with AI knob
- Bundled with Cubase Essential5
- 64 audio tracks, 64 MIDI tracks, 16 instrument tracks
- HALion ONE sample player with over 700 sounds
- Prologue subtractive synthesizer
- 33 audio and 17 MIDI VST effect processors including PitchCorrect, AmpSimulator, EQ, compressor, delay, reverb

CI2

- Smart mouse-over control of Cubase with the AI knob
- Hands-free recording with interactive recording and footswitch operation
- Easy setup and workflow with Project Assistant and browsing with AI knob
- Bundled with Cubase AI5
- 48 audio tracks, 64 MIDI tracks, 16 instrument tracks
- HALion ONE sample player with ready-to-use sample content
- 31 FX plug-ins including Amp Simulator, EQ, compressor, delay, reverb

CI1

- Bundled with Steinberg's Sequel LE software
- 8 audio tracks and 8 instrument tracks
- Includes effects such as delay, distortion, dynamics, modulation, reverb, EQ
- Includes over 100 audio loops and 350 instrument presets
- Also includes WaveLab LE Audio Editing and Mastering software
- Editing tools include fades, trimming and rubber band editing
- 9 VST3 plug-ins including compressor, limiter, EQ reverb

Advanced Integration Controller

CC121

CUBASE AI5 AI Advanced Integration

- USB powered controller offers seamless integration and full control of Steinberg's Cubase DAW systems
- AI controller knob provides "point and control" operation
- High-quality 100mm touch sensitive motorized fader
- Dedicated Cubase channel controls, 12 rotary EQ encoders and bypass/mode button, 4 user-assignable buttons
- Mirrored functionality offers intuitive operation

Advanced Integration Controller CC121

Connection terminal	USB TO HOST terminal
	FOOT SW terminal, DC IN terminal
Power Source	USB bus power: 5V/500mA
	Power Adaptor: Motor Fader Drive (PA-3C)
	Power Consumption: USB bus power: 1.5W
	Power Adaptor (Motor Fader Drive): 5W
Maximum External Dimensions (W x H x D)	284 × 72 × 185 mm
Weight	1.5kg
Included Components	Power adaptor (PA-3C), CD-ROM (TOOLS for CC121), DVD-ROM (Cubase AI 4), Operation Manual, Warranty, USB cable

CC121 comply with ver.4.5.1 of Cubase, Cubase Studio, Cubase Essential and Cubase AI or higher and Nuendo 4.2.2 or higher.

Advanced Integration DSP Studio

MR816*csx* / MR816*x*

CUBASE AI5 AI Advanced Integration

MR816csx Rear Panel

MR816x Rear Panel

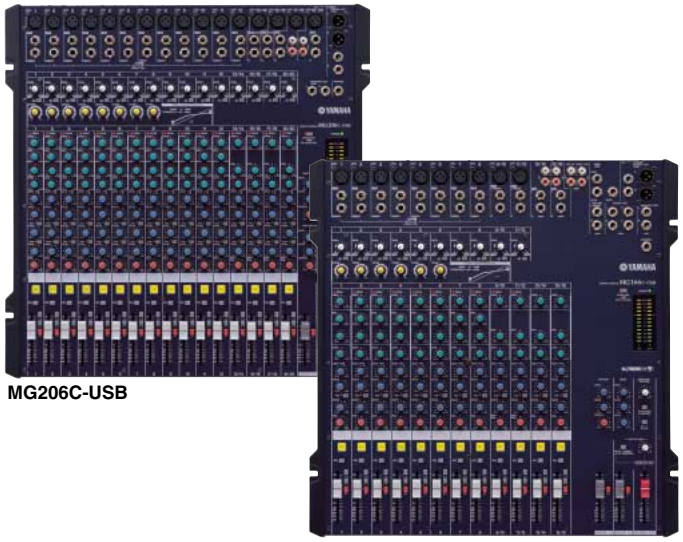
- FireWire audio interfaces deliver latency free monitoring with one to one hardware/software mirroring
- Eight high-quality D-pre discrete Class A analog mic preamps with combo XLR/TRS analog inputs and phantom power
- Full integration with the Cubase user interface
- Built-in DSP provides additional mixing power and onboard VST3 effects for Cubase
- Quick Connect function offers extended plug and play and instant routing
- Sweet Spot Morphing channel strip on MR816csx

Advanced Integration DSP Studio MR816csx / MR816x

Input Channel	Analog	• MIC/LINE/HI-Z terminal (1ch, XLR combo-balance, front) • MIC/LINE terminal (2ch, XLR combo-balance, front) • MIC/LINE terminal (3ch-8ch, XLR combo-balance, rear)
	Digital	• S/PDIF coaxial • ADAT optical (S/MUX compliant, S/PDIF optical compliant) • Word Clock
Output Channel	Analog	1/4"TRS Phone (Balanced) Insert terminal: 1/4"TRS Phone (Unbalanced) Headphone terminal 1/2: 1/4"TRS Phone (Unbalanced)
	Digital	• S/PDIF coaxial • ADAT optical (S/MUX compliant, S/PDIF optical compliant) • Word Clock
Maximum External Dimensions (H × D × W)		44 × 305 × 480 mm
Weight		3.2kg

Mixing Console

MG206C-USB/MG166C-USB/MG166CX-USB CUBASE AI5



MG206C-USB

MG166CX-USB

- USB models bundled with Cubase AI software offer direct digital recording to a computer as well as editing.
- Available in 20-channel (12 mono + 4 stereo), 16-channel (8 mono + 4 stereo), 12-channel (4 mono + 4 stereo), and 8-channel (2 mono + 4 stereo) configurations.
- Built-in SPX digital effects (CX models only) provide 16 effects that can be blended into the AUX sends for “wet” monitoring.
- Lightweight, portable designs deliver maximum manageability and maximum performance.
- Versatile connectivity and professional quality connectors provide easy setup, superior reliability and excellent sonic quality.
- Built-in channel compression with one-knob control lets you simply dial in the amount of compression you want.
- High-performance microphone preamplifiers are derived from Yamaha’s top-line professional consoles. Switchable phantom power allows the use of high-quality condenser mics.
- Optional adaptor allows mounting of the MG82CX and 102C on a mic stand.

Mixing Console

MG206C/MG166CX/MG166C/MG124CX/MG124C/MG82CX/MG102C

MG166CX

MG124CX

MG82CX

MG102C

Mixing Console
MG Series

	MG206C-USB	MG166CX-USB	MG166C-USB	MG206C	MG166CX	MG166C	MG124CX	MG124C	MG82CX	MG102C
INPUT Connectors	MIC: 16, LINE: 12 mono + 4 stereo, CH INSERT: 12, AUX RTN: 2 stereo, 2TR IN: 1	MIC: 10, LINE: 8 mono + 4 stereo, CH INSERT: 8, AUX RTN: 1 stereo, 2TR IN: 1	MIC: 10, LINE: 8 mono + 4 stereo, CH INSERT: 8, AUX RTN: 1 stereo, 2TR IN: 1	MIC: 16, LINE: 12 mono + 4 stereo, CH INSERT: 12, AUX RTN: 2 stereo, 2TR IN: 1	MIC: 10, LINE: 8 mono + 4 stereo, CH INSERT: 8, AUX RTN: 1 stereo, 2TR IN: 1	MIC: 10, LINE: 8 mono + 4 stereo, CH INSERT: 8, AUX RTN: 1 stereo, 2TR IN: 1	MIC: 6, LINE: 4 mono + 4 stereo, CH INSERT: 4, RETURN: 1 stereo, 2TR IN: 1	MIC: 6, LINE: 4 mono + 4 stereo, CH INSERT: 4, AUX RTN: 1 stereo, 2TR IN: 1	MIC: 4, LINE: 2 mono + 4 stereo, CH INSERT: 2, RETURN: 1 stereo, 2TR IN: 1 stereo	MIC: 4, LINE: 2 mono + 4 stereo, CH INSERT: 2, RETURN: 1 stereo, 2TR IN: 1 stereo
OUTPUT Connectors	ST2, AUX SEND: 4, CH INSERT: 12, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 2, EFFECT SEND:1, CH INSERT 8, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 3, CH INSERT 8, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 4, CH INSERT 12, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 2, EFFECT SEND:1, CH INSERT 8, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 3, CH INSERT 8, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 4 Phone: 1	ST2, AUX SEND: 1, EFFECT SEND:1, CH INSERT 4, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 2 Phone: 1	ST2, AUX SEND: 2, CH INSERT 4, REC: 1 stereo, MONITOR: 1 stereo, GROUP: 2 Phone: 1	ST1, EFFECT SEND:1, CH INSERT 2, REC: 1 stereo, MONITOR: 1 stereo, Phone: 1	ST:1, AUX SEND: 1, CH INSERT 2, REC: 1 stereo, MONITOR: 1 stereo, Phone: 1
CH EQ (MONO)*3 ±15 dB (Max.) High	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving
Mid	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking
Low	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving
CH EQ (STEREO)*3 ±15 dB (Max.) High	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving	10 kHz: shelving
Mid	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	2.5 kHz: peaking	—	—	—	—
Low	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving	100 Hz: shelving
Compressor (COMP)	control × 1 (Gain/Threshold/Ratio), CH 1-8	control × 1 (Gain/Threshold/Ratio), CH 1-6	control × 1 (Gain/Threshold/Ratio), CH 1-6	control × 1 (Gain/Threshold/Ratio), CH 1-8	control × 1 (Gain/Threshold/Ratio), CH 1-6	control × 1 (Gain/Threshold/Ratio), CH 1-6	control × 1 (Gain/Threshold/Ratio), CH 1-4	control × 1 (Gain/Threshold/Ratio), CH 1-4	control × 1 (Gain/Threshold/Ratio), CH1, 2	control × 1 (Gain/Threshold/Ratio), CH 1, 2
Internal Digital Effect	—	16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—	—	16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—	16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—	16 PROGRAM, PARAMETER control Foot Switch (Digital Effect, on/off)	—
Power Supply Adapter	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-30:AC 35VCT, 1.4A, Cable Length = 3.6m	PA-20:AC 35VCT, 0.94A, Cable Length = 3.6m	PA-20:AC 35VCT, 0.94A, Cable Length = 3.6m	PA-10:AC 38VCT, 0.62A, Cable Length = 3.6m	PA-10:AC 38VCT, 0.62A, Cable Length = 3.6m
Power Consumption	40 W	35 W	30 W	40 W	35 W	30 W	21 W	30 W	21 W	21 W
Dimensions (W × D × H)	478 × 105 × 496 mm	478 × 105 × 496 mm	478 × 105 × 496 mm	478 × 105 × 496 mm	478 × 105 × 496 mm	478 × 105 × 496 mm	346.2 × 86.1 × 436.6 mm	246.2 × 86.1 × 436.6 mm	256.6 × 62.2 × 302.5 mm	256.6 × 62.2 × 302.5 mm
Net Weight	6.0 kg	5.5 kg	5.3 kg	6.0 kg	5.5 kg	5.3 kg	1.6 kg	3 kg	1.6 kg	1.5 kg
Options	—	Foot Switch (FC-5)	–	–	Foot Switch (FC-5)	–	Foot Switch (FC-5)	—	Microphone Stand Adapter (BMS-10A), Foot Switch (FC-5)	Microphone Stand Adapter (BMS-10A)

MG & MW Comparison Chart

Model / Feature	USB Equipped (CUBASE AI bundled)							USB Unequipped						
	MG206C-USB	MG166CX-USB	MG166C-USB	MW12cx	MW12c	MW8cx	MW10c	MG206C	MG166CX	MG166C	MG124CX	MG124C	MG82CX	MG102C
Input Connectors	Mic: 16 Line: 12 mono + 4 stereo	Mic: 10 Line: 8 mono + 4 stereo	Mic: 10 Line: 8 mono + 4 stereo	Mic: 6 Line: 4 mono + 4 stereo	Mic: 6 Line: 4 mono + 4 stereo	Mic: 4 Line: 2 mono + 3 stereo	Mic: 4 Line: 2 mono + 4 stereo	Mic: 16 Line: 12 mono + 4 stereo	Mic: 10 Line: 8 mono + 4 stereo	Mic: 10 Line: 8 mono + 4 stereo	Mic: 6 Line: 4 mono + 4 stereo	Mic: 6 Line: 4 mono + 4 stereo	Mic: 4 Line: 2 mono + 3 stereo	Mic: 4 Line: 2 mono + 4 stereo
Equalizer	3 band Mid-sweep: Ch 1-12 3 band: Ch 13/14-19/20	3 band Mid-sweep: Ch 1-8 3 band: Ch 9/10-15/16	3 band Mid-sweep: Ch 1-8 3 band: Ch 9/10-15/16	3 band: Ch 1-7/8 2 band: Ch 9/10-11/12	3 band: Ch 1-7/8 2 band: Ch 9/10-11/12	3 band: Ch 1-5/6 2 band: Ch 7/8	3 band: Ch 1-5/6 2 band: Ch 7/8, 9/10	3 band Mid-sweep: Ch 1-12 3 band: Ch 13/14-19/20	3 band Mid-sweep: Ch 1-8 3 band: Ch 9/10-15/16	3 band Mid-sweep: Ch 1-8 3 band: Ch 9/10-15/16	3 band: Ch 1-7/8 2 band: Ch 9/10-11/12	3 band: Ch 1-7/8 2 band: Ch 9/10-11/12	3 band: Ch 1-5/6 2 band: Ch 7/8	3 band: Ch 1-5/6 2 band: Ch 7/8, 9/10
SPX		●		●		●			●		●		●	
Aux	4 Aux	2 Aux + 1 Effect	3 Aux	1 Aux + 1 Effect	2 Aux	1 Effect	1 Aux	4 Aux	2 Aux + 1 Effect	3 Aux	1 Aux + 1 Effect	2 Aux	1 Effect	1 Aux
Bus	6 (ST + 4 GROUP)	6 (ST + 4 GROUP)	6 (ST + 4 GROUP)	4 (ST + 2 GROUP: REC BUS)	4 (ST + 2 GROUP: REC BUS)	2 (ST)	2 (ST)	6 (ST + 4 GROUP)	6 (ST + 4 GROUP)	6 (ST + 4 GROUP)	4 (ST + 2 GROUP)	4 (ST + 2 GROUP)	2 (ST)	2 (ST)
REC BUS Assign				●	●									
MONITOR PHONES separate				●	●									
Note	Rack Mountable	Rack Mountable	Rack Mountable			Mic stand Mountable (with optional BMS-10A)	Mic stand Mountable (with optional BMS-10A)	Rack Mountable	Rack Mountable	Rack Mountable			Mic stand Mountable (with optional BMS-10A)	Mic stand Mountable (with optional BMS-10A)

Powered Monitor Speaker

HS80M

Professional Studio Monitor

- 2-way bass reflex bi-amplified near-field studio monitor.
- 8" cone woofer and 1" dome tweeter deliver 42 Hz – 20 kHz frequency response.
- Built-in power system delivers 120 watts of dynamic bi-amplified power.
- High-performance speakers and mounting system deliver smooth, accurate response.

Powered Monitor Speaker
HS80M

Type	Biamp 2-way powered speaker
Dimensions (W × D × H)	250 × 332 × 390 mm (9-13/16" × 13-1/16" × 15-3/8")
Weight	11.3 kg (24.9 lbs)
Input Connectors (parallel)	1: XLR-3-31 type (balanced) 2: PHONE (balanced)
Controls	LEVEL control (+4 dB/center click) LOW CUT switch (FLAT/80/100 Hz, 12 dB/octave) EQ : MID (+/-2 dB at 2 kHz) HIGH (+/-2 dB at HF) ROOM CONTROL (0/-2/-4 dB under 500 Hz)
Accessories	AC power cord, Owner's Manual

Powered Monitor Speaker

HS50M

Professional Studio Monitor

- 2-way bass reflex bi-amplified near-field studio monitor.
- 5" cone woofer and 3/4" dome tweeter deliver 55 Hz – 20 kHz frequency response.
- Built-in power system delivers 70 watts of dynamic bi-amplified power.
- High-performance speakers and mounting system deliver smooth, accurate response.

Powered Monitor Speaker
HS50M

Type	Biamp 2-way powered speaker
Dimensions (W × D × H)	165 × 222 × 268 mm (6-1/2" × 8-3/4" × 10-9/16")
Weight	5.8 kg (12.8 lbs)
Input Connectors (parallel)	1: XLR-3-31 type (balanced) 2: PHONE (balanced)
Controls	LEVEL control (+4 dB/center click) LOW CUT switch (FLAT/80/100 Hz, 12 dB/octave) EQ : MID (+/-2 dB at 2 kHz) HIGH (+/-2 dB at HF) ROOM CONTROL (0/-2/-4 dB under 500 Hz)
Accessories	AC power cord, Owner's Manual

Powered Subwoofer

HS10W

- Long-stroke 8" bass reflex powered subwoofer delivers 30Hz-120Hz frequency response.
- Built-in power system delivers 150 watts of dynamic power.
- High-performance speakers and bass reflex design cabinet maintains high efficiency and low distortion.

Powered Subwoofer
HS10W

Type	Powered Subwoofer
Dimensions (W × D × H)	300 × 386 × 350 mm (11-13/16" × 15-3/16" × 13-3/4")
Weight	12.5 kg (27.6 lbs)
Input Connectors (parallel)	1: XLR-3-31 type (balanced) 2: PHONE (balanced)
Controls	LEVEL control PHASE switch : NORM./REV. HIGH CUT control : 80 – 120 Hz (center click) LOW CUT control : 80 – 120 Hz (center click) LOW CUT switch : ON/OFF
Accessories	AC power cord, Owner's Manual

Powered Monitor Speaker

MS101III

- Especially designed for home recording use and semi-professional applications.
- Multiple input configuration and comprehensive Low, High EQ and volume controls.

Powered Monitor Speaker
MS101III

Type	Bass-reflex powered speaker
Dimensions (W × D × H)	147 × 214 × 192 mm (5-3/4" × 8-7/16" × 7-9/16")
Weight	2.2 kg (4.9 lbs.)
Input Connectors (parallel)	1: RCA pin-jack 2: PHONE (balanced)
Controls	Volume, Tone control (Low/High)

Powered Monitor Speaker

MSP7 STUDIO

- Powered reference monitors deliver superior performance in a wide range of systems.
- Advanced bi-amp design delivers 80-watts to the low frequency driver and 50-watts to the high frequency driver.
- 6.5-inch woofer features a specially treated cone with low damping rubber surrounds for exceptionally smooth response.
- 1-inch titanium dome tweeters offers fast response for crisp, natural transients.

Powered Monitor Speaker
MSP7 STUDIO

Type	Biamp 2-way Powered Speaker
Dimensions (W × D × H)	218 × 330 × 235 mm
Weight	12.2 kg
Input Connectors	XLR3-31 (balanced), 10 kΩ
Controls	LEVEL control 31 Positions Detent type VR (Min = –Attenuation) HIGH TRIM +1.5/0/–1.5 dB at 15 kHz LOW TRIM +1.5/0/–1.5/–3 dB at 45 Hz POWER switch on/off

Powered Monitor Speaker

MSP5 STUDIO

- Powered reference monitors deliver superior performance in a wide range of systems.
- Advanced bi-amp design delivers 40-watts to the 5-inch and 27-watts to the 1-inch titanium dome tweeters.
- Integrated waveguide achieves uniform high-frequency dispersion of 120-degrees.
- Rear panel controls include 4-position low trim, and 3-position high trim switches

Powered Monitor Speaker
MSP5 STUDIO

Type	Biamp 2-way Powered speaker
Dimensions (W × D × H)	179 × 279 × 208 mm
Weight	7.9 kg
Input Connectors	XLR3-31 (balanced), 10 kΩ PHONE (unbalanced), 10 kΩ
Controls	LEVEL control 31 Positions Detent type VR (Min = –Attenuation) HIGH TRIM +1.5/0/–1.5 dB at 15 kHz LOW TRIM +1.5/0/–1.5/–3 dB at 60 Hz POWER switch on/off

Powered Subwoofer

SW10 STUDIO

- Designed for optimum matching with the MSP series powered monitor speakers.
- High power, high performance 180-watt amplifier.
- Continuous high cut control (40Hz—120kHz) for optimizing performance with any room or system.
- Continuous level control.
- Magnetic shielding.

Powered Subwoofer
SW10 STUDIO

Type	Powered subwoofer
Dimensions (W × D × H)	328 × 459 × 476 mm
Weight	26.5 kg
Input Connectors	XLR3–31 × 3 (balanced), 10 kΩ
Output Connectors	XLR3–32 × 3 (balanced) Parallel connection with Input
Controls	LEVEL control Center Click VR (Min = –Attenuation) POWER switch on/off PHASE switch Normal/Reverse LPF control 40-120 Hz, 80 Hz at Center Click

Powered Monitor Speaker

MSP3

- Compact, two-way powered monitor system.
- Built-in 20-watt amplifier.
- Two Line inputs.
- Balanced XLR, balanced phone jack and unbalanced RCA jack inputs for versatile connectivity.
- High and Low tone controls for sound tailoring.
- Separate Line 1 and Line 2 level controls.
- Magnetic shielding.

Powered Monitor Speaker
MSP3

Type	Amplified 2-way, bass-reflex powered speaker
Dimensions (W × D × H)	144 × 236 × 167 mm (5-11/16" × 9-5/16" × 6-9/16")
Weight	4.4kg (9.70 lbs)
Input Connectors	LINE1: RCA pin (unbalanced), 10 kΩ LINE2: XLR3-31& Phone (balanced), 10 kΩ
Controls	Level Control : LINE1& LINE2 Tone Control : LOW ±3dB at 100 Hz : HIGH ±3dB at 100 kHz Power switch : On/Off

Portable PA System/Keyboard Amplifier

STAGEPAS 250M / STAGEPAS 150M

- STAGEPAS 250M features a 10-channel powered mixer with 2 mono mic/line and 4 stereo inputs, 250 watts of class-D power, plus digital reverb and compressor/limiters on channels 1 and 2.
- STAGEPAS 150M features an 8-channel powered mixer with 2 mono mic/line and 3 stereo line inputs, 150 watts of class-D power, and 1-bit modulation reverb on channels 1 and 2.

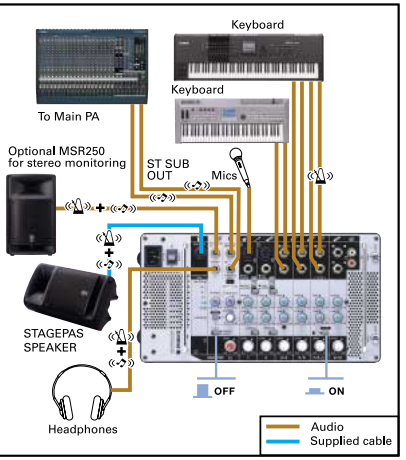
Common Features

- Built-in 2-band EQ on all channels.
- Switchable phantom power on channels 1 and 2.
- Pole mountable.

Application Examples (STAGEPAS 250M)

Comprehensive sub mixer for keyboard players

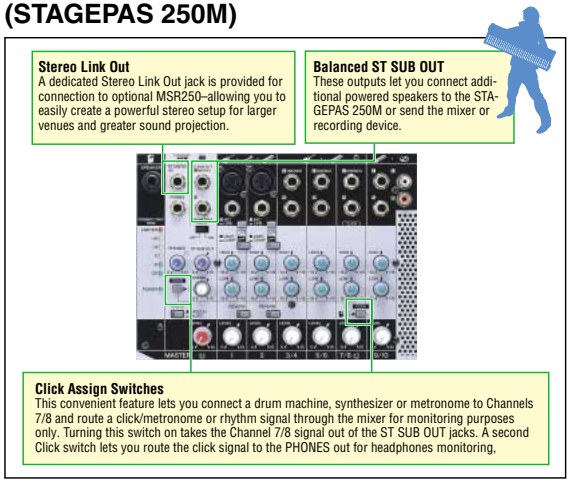
In this versatile sub-mixing system, a click track can be monitored in the headphones or monitor speaker while the click-less keyboard signal is fed to the main mixer. The Stereo Link output lets you hook up an optional MSR250 powered speaker for stereo monitoring.



STAGEPAS 250M

STAGEPAS 150M

Useful Features for keyboard players (STAGEPAS 250M)



Portable PA System
STAGEPAS 250M / STAGEPAS 150M

GENERAL	
Output Power	**STAGEPAS250: (Maximum)** 250 W (±10 %) 4 Ω @ 10 % THD at 1 kHz (SPEAKER) **(RMS)** ≥200 W 4 Ω @ 1 % THD at 1 kHz (SPEAKER) **STAGEPAS150: (Maximum)** 150 W (±10 %) 6 Ω @ 10 % THD at 1 kHz (SPEAKER) **(RMS)** ≥100 W 4 Ω @ 1 % THD at 1 kHz (SPEAKER)
Maximum Output Level	**STAGEPAS250:** 116 dB (1 m) **STAGEPAS150:** 112 dB (1 m)
Frequency Response (Nominal output level @ 1 kHz)	–3 dB, 0 dB, +1 dB @ 20 Hz-20 kHz, 1 W Output (MUSIC/SPEECH=MUSIC, without Speaker EQ) (SPEAKER)
Total Harmonic Distortion	0.5 % @ 20 Hz, 1 kHz, 20 kHz +14 dBu GAIN=nominal (ST SUB OUT, ST LINK OUT)
Hum & Noise (Equivalent Input Noise, Rs=150 Ω, MIC/LINE=MIC)	**STAGEPAS250:** ≤–106 dBu (CH1/2) ≤–65 dBu Residual output noise (SPEAKER) **STAGEPAS150:** ≤–112 dBu (CH3/4) ≤–65 dBu Residual output noise (SPEAKER)
Crosstalk (1 kHz)	–70 dB between input channels
Power Consumption	**STAGEPAS250:** 35 W **STAGEPAS150:** 20 W
Weight	**STAGEPAS250:** 13 kg (28-5/8" lbs.) (Speaker + Powered Mixer) **STAGEPAS150:** 9.6 kg (21-1/8" lbs.) (Speaker + Powered Mixer)
Dimensions (W × H × D mm)	**STAGEPAS250:** 342 (13-1/2") × 544.5 (21-1/2") × 298 (11-3/4) (Speaker × 1) 330 (13") × 111.5 (4-3/8") × 175 (6-7/8") (Mixer) **STAGEPAS150:** 275 (10-7/8") × 455.5 (17-7/8") × 255 (10-1/8") (Speaker × 1) 290 (11-3/8") × 96.3 (3-3/4") × 160 (6-1/4") (Mixer)
Input Channel Equalization	±15 dB HIGH 10 kHz shelving, LOW 100 Hz shelving
Enclosure	2 way bass-reflex type, Polypropylene, Black
CrossOver Frequency	4.0 kHz (LF: 12 dB/oct, HF: 12 dB/oct)
Frequency Range	55 Hz-20 kHz (–10 dB)
Speaker Unit	**STAGEPAS250:** LF: 10" (25 cm) Cone HF: 1" (2.54 cm) Compression Driver **STAGEPAS150:** LF: 8" (20 cm) Cone HF: 1" (2.54 cm) Compression Driver

Portable PA System
STAGEPAS 500

- Dual 250-watt class-D amplifiers.
- Versatile 10-channel mixer features 4 mono + 3 stereo inputs.
- Switchable phantom power.
- Built-in channel compression/limiting.

Portable PA System
STAGEPAS 300

- Dual 150-watt class-D amplifiers
- 8-channel mixer features 4 mono + two stereo line inputs.

Portable PA System
STAGEPAS 500 / STAGEPAS 300

GENERAL	
Output Power	**STAGEPAS500: (Maximum)** 250 W+250 W (±10 %) 4 Ω @ 10 % THD at 1 kHz (SPEAKERS L/R) **(RMS)** 200 W+200 W 4 Ω @ 1 % THD at 1 kHz (SPEAKERS L/R) **STAGEPAS300: (Maximum)** 250 W+250 W (±10 %) 4 Ω @ 10 % THD at 1 kHz (SPEAKERS L/R) **(RMS)** 200 W+200 W 4 Ω @ 1 % THD at 1 kHz (SPEAKERS L/R)
Maximum Output Level	**STAGEPAS500:** 116 dB (1 m) **STAGEPAS300:** 112 dB (1 m)
Frequency Response (Nominal output level @ 1 kHz)	–3 dB, 0 dB, +1 dB @ 20 Hz-20 kHz, 1 W Output (MUSIC/SPEECH=MUSIC, without Speaker EQ) (SPEAKER L/R)
Total Harmonic Distortion	0.5 % @ 20 Hz, 1 kHz, 20 kHz +14 dBu GAIN=nominal (MONITOR OUT, REC OUT)
Hum & Noise (Equivalent Input Noise, Rs=150 Ω, MIC/LINE=MIC)	**STAGEPAS500:** ≤–106 dBu (CH1/2) ≤–112 dBu (CH3/4) ≤–65 dBu Residual output noise (SPEAKERS L/R) **STAGEPAS300:** ≤–65 dBu Residual output noise (SPEAKER L/R)
Crosstalk (1 kHz)	–70 dB between input channels
Power Consumption	**STAGEPAS500:** 65 W **STAGEPAS300:** 70 W
Weight	**STAGEPAS500:** 24 kg (52-7/8" lbs.) (Speaker x 2 + Powered Mixer) **STAGEPAS300:** 18 kg (39-5/8" lbs.) (Speaker x 2 + Powered Mixer)
Dimensions (W × H × D mm)	**STAGEPAS500:** 342 (13-1/2") × 544.5 (21-1/2") × 298 (11-3/4) (Speaker × 1) 330 (13") × 111.5 (4-3/8") × 175 (6-7/8") (Mixer) **STAGEPAS300:** 275 (10-7/8") × 455.5 (17-7/8") × 255 (10-1/8") (Speaker × 1) 290 (11-3/8") × 96.3 (3-3/4") × 160 (6-1/4") (Mixer)
Input Channel Equalization	±15 dB HIGH 10 kHz shelving, LOW 100 Hz shelving
Enclosure	2 way bass-reflex type, Polypropylene, Black
CrossOver Frequency	4.0 kHz (LF: 12 dB/oct, HF: 12 dB/oct)
Frequency Range	55 Hz-20 kHz (–10 dB)
Speaker Unit	**STAGEPAS500:** LF: 10" (25 cm) Cone HF: 1" (2.54 cm) Compression Driver **STAGEPAS300:** LF: 8" (20 cm) Cone HF: 1" (2.54 cm) Compression Driver

Pocket Recorder POCKETRAK C24/W24

CUBASE AI5

Advanced Recording Quality And Functions That Fit In Your Pocket!

- High-end audio quality with 24-bit/96kHz resolution
- 2GB of built-in flash memory offers up to 3 hours PCM recording time
- Card slot allows memory expansion with higher capacity micro SD cards
- Bundled with Cubase AI5 that offers extensive editing and production capabilities

C24

- Ultra small and ultra light recorder weighs just 2oz/57g with battery
- Up to 26 hours of MP3 or 7 hours of PCM recording time on a single battery
- Supplied attachment clip allows easy attachment to music or mic stand
- Direct USB 2.0 compatible connection for quick data transfer

W24

- Extremely sensitive high quality X-Y stereo microphone
- Pocket-sized recorder weights just 3.25oz/92g with battery.
- Wireless remote controller
- Built-in peak limiter prevents overload and distortion
- Up to 38 hours of PCM or 56 hours of MP3 recording time on a single battery

C24 Front　　W24 Front

Pocket Recorder POCKETRAK C24

Hardware		
Body	**Dimension (W×H×D)**	37.6 mm × 113.0 mm × 21.1 mm
	Weight	57g, including battery
Memory		2 GB (External memory: microSD/microSDHC)
Battery	**Available Battery**	AAA alkaline battery × 1
Recording Battery Life	**AAA Alkaline**	MP3: 26 h PCM:16 h
Playback Battery Life	**AAA Alkaline**	MP3: 34 h (Earphone) PCM:18h (Earphone)
LCD	**LCD Type**	Dot matrix, Backlit display
	Language	English
Others		Internal Stereo Microphone, Internal Speaker, Headphone Jack (Stereo mini: 3.5mm × 1), Ext. Stereo Mic In Jack (Stereo mini: 3.5mm, Line In Jack switchable × 1), microSD card slot × 1
Recording		
Recording Format		Linear PCM, MP3
Recording Configuration		Internal Stereo Microphone, Ext. Stereo Mic In, Line In (Automatic song divide available)
Recording Time (using 2GB microSD)/ Frequency Responce/ Sampling Frequency/ Bit rate	**PCM stereo (96kHz)**	55m, 24bit
	PCM stereo (44.1kHz)	3 h 00m, 16bit
	MP3 stereo (320kbps)	13 h 30m
	MP3 stereo (128kbps)	34 h 00m
	MP3 stereo (64kbps)	68 h 00m
Other Functions		Voice Automatic Recording System, ALC (Auto Level Control) ON/OFF, Mic Sensitivity Select (ALC ON: 2 steps, ALC OFF: 80 steps), Recording Peak Limiter, 5-band Grafic Equalizer (8 presets/User), High Pass Filter, Timer rec, Self Timer, Rec monitor, File delete confirmation
Playback		
Data Transfer		MP3, WMA, WAV (WAV file playback is own recording file only)
Repeat		ONE, ALL, Random, A-B repeat
Musical Function		5-band EQ (Presets: Flat, Bass1, Bass2, Pop, Rock, Jazz, User)
Playback Speed (Not available on PCM)		Slow PB (50 - 100 %), Normal (100 %), Fast PB (100 - 200 %)
Other function		Play list Playback, Skip Search, File edit (divide, fade in/ out), Tuner, Metronome
Computer connection		
Data Transfer	**Connection**	USB direct (slide connector)
	Transfer Speed	USB 2.0 High Speed, 1500 kbps
Connection	**Mass Storage Class**	yes
Accessories		
Alkaline AAA battery, Attachment clip, Cubase AI5 DVD-ROM, Owner's Manual		

Pocket Recorder POCKETRAK W24

Hardware		
Body	**Dimension (W×H×D)**	46.5 mm × 129.5 mm × 17.5 mm
	Weight	92g, including battery
Memory		2 GB (External memory: microSD/microSDHC)
Battery	**Available Battery**	AA alkaline battery × 1
Recording Battery Life	**AAA Alkaline**	MP3: 56 h PCM:38 h
Playback Battery Life	**AAA Alkaline**	MP3: 70 h (Earphone) PCM:45h (Earphone)
LCD	**LCD Type**	Dot matrix, Backlit display
	Language	English
Others		Internal Stereo Microphone, Internal Speaker, Headphone Jack (Stereo mini: 3.5mm × 1), Ext. Stereo Mic In Jack (Stereo mini: 3.5mm, Line In Jack switchable × 1), microSD card slot × 1
Recording		
Recording Format		Linear PCM, MP3
Recording Configuration		Internal Stereo Microphone, Ext. Stereo Mic In, Line In (Automatic song divide available)
Recording Time (using 2GB microSD)/ Frequency Responce/ Sampling Frequency/ Bit rate	**PCM stereo (96kHz)**	55m, 24bit
	PCM stereo (44.1kHz)	3 h 00m, 16bit
	MP3 stereo (320kbps)	13 h 30m
	MP3 stereo (128kbps)	34 h 00m
	MP3 stereo (64kbps)	68 h 00m
Other Functions		Voice Automatic Recording System, ALC (AutoLevel Control) ON/OFF, Mic Sensitivity Select (ALC ON: 2 steps, ALC OFF: 80 steps), Recording Peak Limiter, 5-band Grafic Equalizer (8 presets/User), High Pass Filter, Timer rec, Self Timer, Rec monitor, File delete confirmation, Scene Memory
Playback		
Playback Format		MP3, WMA, WAV (WAV file playback is own recording file only)
Repeat		ONE, ALL, Random, A-B repeat
Musical Function		5-band EQ (Presets: Flat, Bass1, Bass2, Pop, Rock, Jazz, User)
Playback Speed (Not available on PCM)		Slow PB (50 - 100 %), Normal (100 %), Fast PB (100 - 200 %)
Other function		Play list Playback, Skip Search, File edit (divide, fade in/ out), Tuner, Metronome
Computer connection		
Data Transfer	**Connection**	USB cable (Bundled)
	Transfer Speed	USB 2.0 High Speed, 1500 kbps
Connection	**Mass Storage Class**	yes
Accessories		
Alkaline AAA battery, Wireless remote controller, Windscreen, Microphone stand adaptor, USB cable, Cubase AI5 DVD-ROM, Owner's ManualManual		

Keyboard Stand
LG-800

The LG-800 is a exclusive keyboard stand which are designed for Yamaha 88-key keyboard. It offers great stability while performig on the stage. You can adjust the height in three steps in order to play in both standing and sitting position.

- Size (W × D × H): 913mm–1423mm × 581mm × 625mm–685mm
- Weight: 11.5kg

* Adjustable height: 3 steps(625mm, 655mm, 685mm)

Foot Pedal
FC3

Enables the use of half damper with keyboards that are half-damper capable

Foot Pedal
FC4

For sustain/damper pedal

MoNITOR HEADPHONES
RH-5MA

MIC STAND ADAPTER
BMS-10A

Foot Switch
FC5

For sustain and on/off switch

Foot Controller
FC7

For volume control

Foot Controller
FC9

Controlable the volume of 2 separate instruments

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