

CASIO®

MZ-X

Music Arranger





MZ-X500



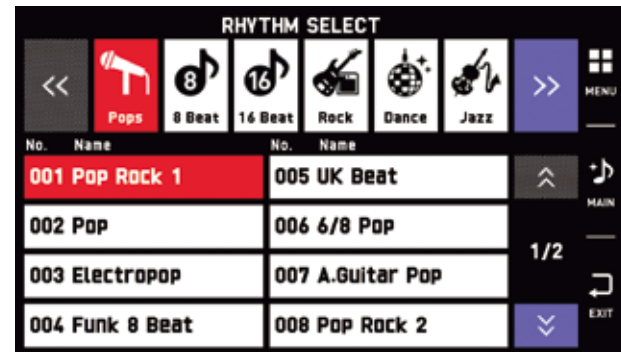
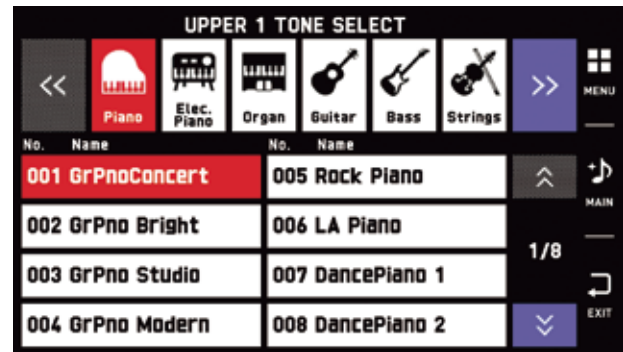
MZ-X300

Reinvented, revived & re-imagined.

The MZ-X Series is the genuine evolutionary successor to Casio's epoch-making MZ-2000 Series instruments. With real sound providing inspiration and an enhanced controller and intuitively operated color touch panel stimulating creativity, its various advanced specs nurture imaginative music creation. This new flagship model of the Casio keyboard lineup has given the arranger keyboard a bright new future.

MZ-X

Authentic sound, Innovative playability.



Professional sound quality

1,100 high-quality built-in tones* support professional level performances in virtually any musical genre.

*900 tones with MZ-X300

A compilation of Versatile Tones is also available to reproduce realistic guitar harmonics, bass glissando and other tonal variations characteristic of stringed instrument fingering.

A Tone Edit function supports intuitive sound production with simple knob operation. Users can draw on a selection of 20 effects to transform sounds dramatically.

[Virtual Tone Wheel Organ]

Casio's refined digital technologies faithfully reproduce the old mechanical tone wheel organ sounds that are popular among rock and jazz fans. Not only the peculiar tremors of the organ's rotary speakers, but even its leakage noise, are accurately replicated.

The developers' devotion to duplicating the deep, heavy resonance of the traditional tone wheel organ has generated a rich supply of flavorful sounds.



[Hex Layer and Synth]

A built-in Hex Layer (MZ-X500 only) overlays up to six different tones to produce polyphonic sound that contributes to powerful musical expression. A Bass Synth function that generates monophonic sound and portamento reminiscent of traditional analog synthesizers is also built in.

Powerful rhythms

The traditional rhythms of Latin, European, Middle Eastern, Asian and other cultures around the world are incorporated along with such enduring favorites as rock, jazz and pops rhythms. Players can also set automatic accompaniment functions such as Auto Fill-in, Break, Intro/Ending and Synchro Start/Stop to produce their envisioned performances to perfection. The system's ability to handle tension chords as well makes it easy for players to incorporate technical arrangements into their performances.



[Pattern Sequencer]

The Pattern Sequencer permits users to set and save original back-up styles. Besides providing accompaniment for solo instrumental and vocal performances, it serves as a second member of the band to manage guitar, drum, strings or other parts.



[Pattern Converter]

The Pattern Converter converts SMF data to rhythm data in the MZ-X Series format that can then be imported freely into the keyboard.

16 Multi Pads (MZ-X500)

16 blue LED touch-response pads* are incorporated to create new performance dimensions.

*4 phrase pads with MZ-X300

[Sampling]

High-quality sampling is enabled at 44.1 kHz via the LINE IN or MIC IN terminal. Users can assign sounds to the pads as audio samples.

Various percussion sounds have been sampled and built in as pad tone presets, and the 16 touch-response pads can be used to add percussion arrangements to keyboard performances.

[Phrase]

Players can use the touch-response pads to insert original preset phrases or any of the numerous built-in phrases suited to various musical genres into performances. When chords are specified in the Auto Accompaniment Mode, appropriate phrases are integrated naturally into the performance when the chords are played, deepening the music's expressive power.

An original Casio articulation function permits modification of sound production nuances during performances.

[Chord]

Chord progressions can be preset for automatic accompaniment. Chords can also be assigned to the 16 pads according to a song's progression. The ability to modify chords simply by pressing a pad lets players devote both hands to the melody or to ad lib freely.

Color Touch LCD

The 5.3-inch color touch LCD affords intuitive operation. Touch control makes it surprisingly easy to call up impressive sounds and rhythms, and to adjust synth and effector parameters quickly and freely in real time. Users can leverage inspiration obtained through live shows and music production in their performances and compositions.

The cockpit design has the operation buttons and display laid out in front of the performer. Substantial improvements in display visibility and pad and knob operability provide smooth, stress-free control.

Speakers

Originally developed 20W + 20W high-capacity speakers are incorporated in a unilateral 4.3L 2-way bass reflex system. With a 4-band parameter equalizer enabling finely detailed sound adjustment, moreover, users achieve impressive, high-quality sound production whenever and wherever they perform.



Others

Audio Recorder

A built-in Audio Recorder saves players' performances to USB flash memory as audio data. A Center Cancel function is installed to enable players to cancel or suppress central sounds such as vocals or instrumental solos contained in an audio file.
Format: WAV (16-bit, 44.1 kHz, stereo)



User Expansion Memory

A large-capacity user memory enables players to save original tones and rhythms in the keyboard for use in later performances.
(MZ-X500: 256MB / MZ-X300: 128MB)

Versatile Terminals

LINE IN, MIDI and other pedal terminals exhibit expandable expression enhancement. Externally input mic or audio device effects can also be applied.



MZ-X500

- 1,100 preset tones, including Hex Layer tones
- 330 rhythms
- 16 multi pads (velocity response)
- Color touch LCD
- Speakers: 20W + 20W



MZ-X300

- 900 preset tones
- 280 preset rhythms
- 4 phrase pads
- Color touch LCD
- Speakers: 20W + 20W

SPECIFICATIONS

		MZ-X500	MZ-X300	
Keyboard	Number of Keys	61 keys (Piano-style)		
	Touch Response	3 sensitivity levels, Off		
Tones	Polyphony (maximum)	128		
	Sound Source	MXi (Multi-Expressive Integrated) Sound Source		
Number of Built-in Tones	Hex Layer	●	—	
	Stereo Sampled Piano Tones	●		
Tone Edit	User Tones	650	450	
	Drawbar Organ Function	9 drawbars (16', 5 1/3', 8', 4', 2 2/3', 2', 1 3/5', 1 1/3', 1')		
Digital Effects	Virtual Tone Wheel	●		
	Preset Virtual Tone Wheel Organ Tones	75 (Included in 1,100 preset tones.)	75 (Included in 900 preset tones.)	
	User Virtual Tone Wheel Organ Tones	50		
	Percussion	Second / Third		
	On Click	On / Off		
	Off Click	On / Off		
	Rotary Effect	Fast / Slow (Uses DSP)		
	System Effects	Reverb	20	
		Chorus	25	
	DSP	Delay	20	
DSP		Equalizer, Compressor, Limiter, Enhancer, Early Reflection, Phaser, Chorus, Flanger, Tremolo, Auto Pan, Rotary, Drive Rotary, LFO Wah, Auto Wah, Distortion, Pitch Shifter, Multi Chorus, Ring Modulator, Delay, Piano Effect		
Master Comp	Editable			
Master EQ	4 Bands Parametric EQ			
Auto Harmonize	12 types			
Arpeggiator	Arpeggiator	100 types		
	User Arpeggio	100 types		
Layer	Lower 1 - 4, Upper 1 - 4 assignable (max. 4 tones)			
Split	● (Variable split point)			
Rhythms and Auto Accompaniment	Number of Built-in Rhythms	330	280	
	One Touch Preset	330	280	
Auto Accompaniment	Auto Accompaniment	CASIO Chord, Fingered 1, Fingered 2 (6th off), Fingered 3 (on bass), Full Range Chord		
	Controllers	Start/Stop, Intro1 - 2, Variation1 - 4 / Fill-in, Break, Fade In / Out, Ending1 - 2, Synchro Start, Synchro Stop, Accomp On / Off, Ritardando, Auto Fill-in, Tap Start		
Chord Type	Chord Type	37 types		
	Rhythm Creation	Pattern Sequencer		
Rhythm Creation	Pattern Sequencer	Real-time Recording, Event Edit (Delete, Copy, Insert, Quantize, Step Recording), Part Parameters, SMF Import		
	User Rhythms	100		
Number of Demonstration Songs	6			
Music Preset	Number of Music Presets	305 presets with chord progression, chord edit		
	User Presets	100		
Recording Functions	MIDI Recorder	Real-time Recording, Track Edit, Event Edit (Delete, Copy, Insert, Quantize, Step Recording), Punch-in / Out, Over Dubbing, SMF Import		
	User Songs	100 songs, 17 tracks per song (1 system track + 16 multi tracks)		
Audio Recording/Playback	Approximate Data Capacity	50,000 notes (1 song)		
	Recording Source	Keyboard Play, Keyboard Play with Auto Accompaniment and with Music Preset, MIDI Recorder playback, Sound Input from EXT IN (LINE IN, MIC IN)		
Audio File Format	Audio File Format	.wav (16-bit, 44.1 kHz, Stereo)		
	Recording Capacity	Up to 100 audio files (Max. recording time: approximately 90 minutes for a single audio file)		
Center Cancel	●			
Requirement	USB memory, up to 32 GB			
Pad Function	Number of Pads	16	4	
	Velocity	●	—	
Number of Banks	Phrase: 30, Sampling: 30, Chord: 20, Multi: 20, User: 100	Phrase: 25, Sampling: 25, User: 50		
	LED	●		
Sampling	Sampling	30 banks, 367 data (37 kick, 65 snare, 57 cymbal, 208 various)	25 banks, 367 data (37 kick, 65 snare, 57 cymbal, 208 various)	
	Sampling Time	Long: 9 seconds x 4, Short: 3 seconds x 32		
Phrase	Phrase	30 banks, 300 data (50 melody, 100 accomp., 50 drum, 50 various, 50 articulation)	25 banks, 250 data (50 melody, 100 accomp., 50 drum, 50 various)	
	Event Edit	●		
Chord Sync	●			
Synchro	●			
Chord	Chord	20 banks, 60 data (44 one shot, 16 sequence)	—	

		MZ-X500	MZ-X300	
Other Functions	Mixer	48 channels + EXT IN (LINE IN, MIC IN), 9-slider operation		
	Registration	Registration	8 sets x 12 banks (96 setups)	
		Freeze	●	
		Registration Sequence	12	
	Pedal SW Assignable	●		
	Sustain On / Off SW	●		
	Scale Tuning	Equal temperaments plus 16 other types, Scale Fine Tune ±99 cents		
	Key Transpose	±1 octave (-12 to +12 semitones)		
	Tuning Control	415.5 - 440.0 - 465.9 Hz (0.1 Hz units)		
	Octave Shift	Octave Shift	±3 octaves	
Metronome		0 (Off), 1 - 9 beats		
Tempo Range	Tempo Range	♩ = 20 to 255 per minute		
	Volume	Adjustable		
Display and Controllers	Display	5.3-inch touch panel (5.0-inch 528 x 320-dot TFT Color LCD)		
	Controllers	Pitch Bend Wheel	Pitch bend range: 0 to 24 semitones	
Modulation Wheel		●		
Knobs		3 (Assignable x 2, Value x 1)		
Sliders		9		
General MIDI	16 channel multi-timbre received, GM Level 1 standard			
Internal User Memory (Tone, Rhythm, Song, Registration, etc.)	256 MB		128 MB	
Connectivity and Storage	Terminals	PEDAL 1	● (Mono standard jack)	
		PEDAL 2 / EXPRESSION	● (Stereo standard jack)	
		PHONES	● (Stereo standard jack, Front)	
		LINE OUT	● (L/MONO, R for each; Standard jack)	
		LINE IN	● (L/MONO, R for each; Standard jack)	
		MIC IN	● (Mono standard jack), MIC volume	
		AUDIO IN	● (Stereo mini jack), AUDIO IN volume	
		USB TO HOST *1	● *2	
		USB TO DEVICE	● (Side) *2	
		MIDI IN, OUT/THRU	●	
DC IN	● (24 V)			
USB Memory	Supported USB Memory	Up to 32 GB		
	Functions	SMF Playback (up to 320 KB per file), File Storage, File Recall, File Delete, Format, Audio Data Playback / Storage		
Save / Load	User Tone, User Rhythm, User MIDI Data, User Music Preset, User Registration Memory, User Pad Bank, User Sample, User Phrase, User Chord Sequence, User Arpeggio	User Tone, User Rhythm, User MIDI Data, User Music Preset, User Registration Memory, User Pad Bank, User Sample, User Phrase, User Arpeggio	User Rhythms, Recorded audio data	
Speakers and Amplifiers	Speakers	Size	12 cm x 2 + 5 cm x 2 (2-way, 4-speaker)	
		Bass-reflex System	●	
Amplifiers	Speaker ON / OFF	●		
	Amplifiers	20 W + 20 W		
Size and Weight	Dimensions	W x D x H		
	Weight	950 x 400 x 151 mm		
Power Supply	Batteries / Included AC Adaptor	— / AC Adaptor: AD-E24250LW		
	Accessories	Included Accessories	AC Adaptor (AD-E24250LW), Music Stand	
Optional Accessories	Stand	CS-7W, CS-4B		
	Pedal	SP-20, SP-3		
EAN Code	4971850314622		4971850314615	

Supported USB Flash Memory Data			
USB Flash Memory Storable Data	• Song data recorded on the digital keyboard	• User Rhythms	• User Music Presets
	• Registration setups	• Recorded audio data	• SMF Format 0 or Format 1 (.mid)
USB Flash Memory Download Data	• 44.1 kHz WAV format	This instrument is compatible with FAT32-formatted USB memory. USB memory formatted for devices using formatting other than FAT32 is available for use after the USB memory has been formatted (except with quick format) by specifying the file system as FAT32 with the Windows formatting function.	
	Supported USB memory:		

*1 No USB cable is bundled with this product. Use a commercially available adaptable USB cable to connect it with a computer.
*2 Supported operating systems: Windows Vista® (32-bit), Windows® 7 (32-bit, 64-bit), Windows® 8 (32-bit, 64-bit), Windows® 8.1 (32-bit, 64-bit), Mac OS® X (10.7, 10.8, 10.9, 10.10)
• For details about operating systems supported by the driver and application software, visit the CASIO website at: <http://world.casio.com/>.
• Capacity values are based on 1 MB = 1,024 KB, and 1 KB = 1,024 bytes.

CASIO®

Go Beyond Sound

35th
Anniversary

CASIO Digital Musical Instruments

CASIO COMPUTER CO., LTD. Tokyo, Japan

<http://world.casio.com/>

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- Displays shown in this catalog are photographic images.
- This catalog is current as of November 2015.
- All photographs showing products on stands are for presentation purposes only.
Actual stands require installation of special anti-tipping brackets, which come with the stands, whenever stands are located away from a wall.

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