SPECIFICATIONS

		AT-5	AT-3
Keyboard		76 piano-style keys	61 piano-style keys
	Touch Response	2 sensitivity levels, Off	
Sound Source		AHL (Tri-element)	
Polyphony (maximum)		64	
Built-in Tones		800 (including 54 Oriental tones)	
	Stereo Sampled Piano Tones	●	
User Tones		100 (Tone Editor)	
Digital Effects	Reverb	10 types	
	Chorus	5 types (Simultaneous use with DSP not supported.)	
	DSP	100 preset, 100 user (Simultaneous use with Chorus not supported.)	
Built-in Rhythms		250	
	Oriental /Arabic Rhythms (Oriental/Arabic/Other)	83 (24 / 32 / 27)	
	For Piano Play	35 (including 15 Ballad rhythms)	
User Rhythms		100 (Pattern Sequencer)	
Auto Accompaniment		CASIO chord, Fingered 1, Fingered 2 (6th off), Fingered 3 (on bass), Full Range Chord	
	Controllers	Start/Stop, Intro, Normal/Fill-in, Variation/Fill-in, Synchro/Ending (Accompaniment volume adjustable)	
Pattern Sequencer		Real-time recording, step recording,quantize, Easy Edit, Event Editor, part parameters (100 user rhythms)	
Song Sequencer		Real-time recording (Easy Rec, Multi-track Rec), step recording, song edit, track edit, event edit (delete, copy, insert, quantize), punch-in/out	
	User Song	5 songs, 17 tracks per song (1 system track + 16 multi tracks)	
	Approximate Capacity	30,000 notes (5 songs total)	
Demonstration Songs		5	
Song Controller		Play/Stop, Fast Forward, Fast Backward, Pause, Repeat (Song volume adjustable)	
Metronome		0, 2, 3, 4, 5, 6 beats	
	Tempo Range	♩ = 30 to 255 per minute (Tempo adjustable by tapping beat)	
Audio Recording / Playback	Recording Source	Keyboard play, keyboard play with Auto Accompaniment and with Music Preset, Song Sequencer playback, sound input from EXT IN (INST IN, MIC IN)	
	Recording Capacity	Up to 5 audio files (maximum recording time: approximately 13 minutes for a single audio file)	
	Requirement	SD or SDHC memory card, 2GB to 32GB	
Mixer		32 channels + EXT IN (INST IN, MIC IN)	
Registration		6 sets × 16 banks (96 setups)	
Music Preset		305 preset with chord progression, chord edit	
	User Presets	100	
One Touch Preset		250	
Auto Harmonize		12 types	
Arpeggiator		150 types	
Oriental Scale		Scale Fine Tune ±99 cents, 17 Preset Scales, 4 Scale Memory	
Octave Shift		±2 octaves	
Layer		●	
Split		● (variable split point)	
Key Transpose		±1 octave (-12 to +12 semitones)	
Tuning Control		A4 = 415.5 - 440.0 - 465.9Hz	
Pitch Bend Wheel		Pitch bend range: 0 to 24 semitones	
Modulation Button		●	
Dial		●	
Display		LCD with backlight	
MIDI*1		16 channel multi-timbre receive, GM Level 1 standard*1	
SD Memory Card Slot	Supported Memory Card	SD or SDHC memory card, 2GB to 32GB	
	Functions	SMF playback (up to 320KB per file), file storage, file recall, file delete, card format	
	Save / Load	Registration setups, user rhythms, user tones, user DSPs, user music presets, song sequencer, audio recording files	
Terminals	USB*2	●*2	
	PHONES	● (Stereo standard jack)	
	LINE OUT	● (L/MONO, R for each; Standard jack)	
	INST IN	● (Mono standard jack)	
	MIC IN	● (Mono standard jack)	
	AUDIO IN	● (Stereo mini jack)	
	SUSTAIN/ASSIGNABLE	● (Standard jack)	
	DC IN	● (12V)	
Speakers	Size	12cm × 2 + 3cm × 2	
	Bass-reflex System	●	
	Speaker ON / OFF	●	
Amplifier		7W + 7W	
Power		Batteries: D size × 6 / AC Adaptor: AD-A12150LW	
Size (W × D × H)		1,187 × 399 × 149mm	945 × 378 × 132mm
Weight		8.9kg	6.8kg
Accessories		AC adaptor (AD-A12150LW), music stand	
EAN code		4971850313861	4971850313830
Optional Accessories	Stand	CS-7W	CS-7W, CS-4B
	Pedal	SP-20, SP-3	

**1 These products are not equipped with MIDI terminals. MIDI communication between the product and a computer is performed using the USB port.*

**2 Supported operating systems: Windows® XP Home Edition (SP2 or later), Windows® XP Professional (SP2 or later, 32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit, 64-bit), Mac OS® X (10.3.9, 10.4.11 or later, 10.5.8 or later, 10.6.4 or later)*
A USB cable is not included with this product. To connect this product to a computer, use a commercially available A-B type USB cable.

DSP Type List

Type Number	DSP Type Name	Screen Name
01	Wah	Wah
02	Compressor	Comp
03	Distortion	Dist
04	Enhancer	Enhance
05	AutoPan	AutoPan
06	Tremolo	Tremolo
07	Phaser	Phaser
08	Flanger	Flanger
09	Chorus	Chorus
10	Delay	Delay
11	Reflection	Reflect
12	Rotary	Rotary
13	RingModulator	RingMod
14	Lo-Fi	Lo-Fi
15	Wah-Compressor	WahCmp
16	Wah-Distortion	WahDst
17	Wah-Chorus	WahCho
18	Wah-Flanger	WahFln
19	Wah-Reflection	WahRef
20	Wah-Tremolo	WahTrm
21	Wah-AutoPan	WahPan
22	Compressor-Wah	CmpWah
23	Compressor-Distortion	CmpDst
24	Compressor-Chorus	CmpCho
25	Compressor-Flanger	CmpFln
26	Compressor-Reflection	CmpRef
27	Compressor-Tremolo	CmpTrm
28	Compressor-AutoPan	CmpPan
29	Distortion-Wah	DstWah
30	Distortion-Compressor	DstCmp
31	Distortion-Chorus	DstCho
32	Distortion-Flanger	DstFln
33	Distortion-Reflection	DstRef
34	Distortion-Tremolo	DstTrm
35	Distortion-AutoPan	DstPan
36	Chorus-Reflection	ChoRef
37	Chorus-AutoPan	ChoPan
38	Flanger-Reflection	FlnRef
39	Flanger-AutoPan	FlnPan
40	Reflection-Distortion	RefDst
41	Reflection-Chorus	RefCho
42	Reflection-AutoPan	RefPan
43	Tremolo-Distortion	TrmDst
44	Tremolo-Chorus	TrmCho
45	Tremolo-Flanger	TrmFln
46	Tremolo-Reflection	TrmRef

Tone List

ARABIC

Number	Tone Name
01	OUD 1
02	OUD 2
03	OUD 3
04	OUD 4
05	QANUN 1
06	QANUN 2
07	QANUN 3
08	SAZ
09	ELEC.SAZ
10	NAY 1
11	NAY 2
12	KAWALA 1
13	KAWALA 2
14	MIZMAR 1
15	MIZMAR 2
16	KAMAN 1
17	KAMAN 2
18	ARABIC STRINGS 1
19	ARABIC STRINGS 2
20	ARABIC STRINGS 3
21	ARABIC STRINGS 4
22	ARABIC ORGAN 1
23	ARABIC ORGAN 2
24	ARABIC ORGAN 3
25	DARBUKA
26	BENDIR
27	RIQ

ORIENTAL

Number	Tone Name
01	UD 1
02	UD 2
03	UD 3
04	BAGLAMA 1
05	BAGLAMA 2
06	BAGLAMA 3
07	BAGLAMA 4
08	BAGLAMA 5
09	BAGLAMA 6
10	ELEC.BAGLAMA 1
11	ELEC.BAGLAMA 2
12	ELEC.BAGLAMA 3
13	ELEC.BAGLAMA 4
14	BOUZOUKI 1
15	BOUZOUKI 2
16	BOUZOUKI 3
17	KANUN 1
18	KANUN 2
19	SANTUR
20	KEMENCHE 1
21	KEMENCHE 2
22	NEY 1
23	NEY 2
24	ZURNA 1
25	ZURNA 2
26	TURKISH CLARINET 1
27	TURKISH CLARINET 2

Rhythm List

ARABIC

Number	Rhythm Name
01	SAIDI
02	MAKSOUM
03	MALFOUF
04	AYOUB
05	KATAKOFTI
06	KARACHI
07	BALADI
08	KHALIJI
09	SAUDI
10	FALLAHI
11	ZAFFA
12	WEHDA KABIRA
13	WEHDA
14	SOMBATI
15	MASMOUDI KABIR
16	LAFF 1
17	LAFF 2
18	JERK
19	RHUMBA-MASARI
20	FOX
21	VALSE
22	10/8 SAMAI
23	SAIDI MODERN
24	KARACHI MODERN
25	LAFF MODERN
26	DOSARY
27	IRAQI
28	SHARHI
29	ADANI
30	BANDARI
31	RENG
32	6/8 MODERN

ORIENTAL

Number	Rhythm Name
01	2/4 OYUN HAVASI
02	ARAP ORYANTAL
03	VAHDE
04	ORIENTAL 1
05	ORIENTAL 2
06	CIFTETELLI
07	3/4 TSM
08	5/4 CLASSIC
09	5/8 CLASSIC
10	6/8 AZERI
11	KARDENIZ
12	7/8 RUMELI
13	9/8 OYUN HAVASI
14	9/8 ROMAN
15	9/8 CLASSIC
16	KARSILAMA 1
17	HALAY
18	MISKET
19	KARSILAMA 2
20	ANADOLU
21	MUS
22	KARSILAMA 3
23	HASAPIKO
24	SIRTAKI

VARIATION

Number	Rhythm Name
01	ARABIC POP
02	TURKISH POP 1
03	TURKISH POP 2
04	ELECTRIC MALFOUF
05	ELECTRIC AYOUB
06	ELECTRIC BALADI
07	ELECTRIC KHALIJI
08	ELECTRIC FALLAHI
09	ELECTRIC FOX
10	ELECTRIC ADANI
11	ELECTRIC 2/4 OYUN HAVASI
12	ELECTRIC 9/8 OYUN HAVASI
13	BALADI-MAKSOUM
14	BALADI-MALFOUF
15	BALADI-AYOUB
16	BALADI-KARACHI
17	JERK-MAKSOUM
18	CLASSIC FOX-MALFOUF
19	CLASSIC 3/4
20	CLASSIC MALFOUF-10/8
21	CLASSIC WEHDA-MAKSOUM
22	CLASSIC SAMAI
23	HAGALLA
24	SAMAI MIX
25	SAIDI MIX
26	CIFTETELLI MIX
27	KARSIROMAN

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CASIO COMPUTER CO., LTD. Tokyo, Japan
Printed in Japan
BS1010-030001A Ⓜ DI

CASIO®

A World in Harmony

Discover the Musician in You!

The Oriental keyboard that opens the door to musical creativity

AT-5 | AT-3

Oriental Keyboard

Versatile production functions plus outstanding playability.
The next generation sound machine for Oriental music lovers

الآلة الموسيقية الشرقية

A versatile selection of Oriental tones and rhythms built in

54 built-in Oriental tones include the oud, qanun, nay and more. A total of 83 built-in Oriental accompaniment rhythms covers everything from traditional to modern music. High-quality sound supports both Oriental music performance and composing.

Quick configuration of Oriental music scales

Oriental Scale Setting

The tuning of the built-in sound source can be easily lowered by a quarter tone to recreate the scale required for Oriental music. The Oriental scale can be used for both composing and live performances. The final scale setting can also be applied to Auto Accompaniments as well.

Sequencer and mixer functions for total musical creation support

Multi-track Recorder Capabilities

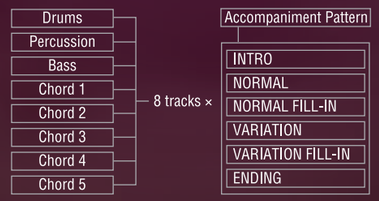
Song Sequencer

The Song Sequencer provides 16 tracks plus one system track that supports recording of up to five songs and a total of approximately 30,000 notes. Each individual musical instrument part can be recorded to a different track for real multi-track recording capabilities. In addition to real-time recording of keyboard and Auto Accompaniment play, the Song Sequencer also supports punch-in and punch-out spot recording of specific parts of a song, and event editing lets you edit recorded data note-by-note. A full selection of editing tools includes event insert, event delete, event copy, quantize, a locator feature for selecting the range of notes to be edited, and more. A step recording function also lets you input notes by specifying the length and pitch. Completed recordings can be converted to SMF (Standard MIDI File) format and stored to an SD memory card.

Create rich, realistic rhythm sections of your very own

Pattern Sequencer

Up to eight tracks (drum, percussion, bass, chord 1 through chord 5) can be edited to create original accompaniment patterns (INTRO, NORMAL, NORMAL FILL-IN, VARIATION, VARIATION FILL-IN). In addition to recording over each individual accompaniment part of an existing rhythm, an event editing function gives you total control over each aspect of recorded data, an Easy Edit function lets you combine accompaniment from multiple built-in rhythms to create original rhythms, and mixer capabilities give you control over the tones, volume levels, reverb, and other parameters of each part. A full selection of editing tools includes event insert, event delete, event copy, quantize, and more. Memory is provided for storage of up to 100 different user rhythms, which can be recalled with the touch of a key.



Great for creating original demo recordings

Audio Recording / Playback

Keyboard play, Auto Accompaniment, Song Sequencer play, and sound input via the INST IN and / or MIC IN terminals can be recorded as digital audio data to an SD memory card inserted in the card slot for later playback. Of course, you can play along on the keyboard during playback from an SD memory card. Saved audio files can also be transferred to a computer connected via USB for long-term storage. Special Data Manager 6.0 application software, downloadable from the URL shown below, can be used to convert data to WAV format, which can be played back on a computer. All of this greatly simplifies the task of creating original demo recordings.

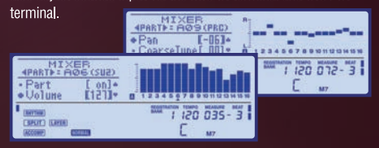
** To perform the operations described in this section, you will need to obtain a commercially available SD memory card or SDHC memory card with a capacity between 2GB and 32GB.*

- Data Manager 6.0 download site:(Scheduled to open in December 2010)
  http://www.casio-intl.com/support/download.html
  Go to the above page and click "Musical Instruments".

When even more sound creation attention to detail is required

32-channel Mixer

The volume, pan, reverb send and other settings can be adjusted to exactly the levels you want for each individual part. You can also adjust sounds input via the MIC IN terminal and INST IN terminal.



Effector and everything else you need to create exactly the sound you want

Versatile effector, an essential sound creation tool

Multiple Digital Effects

Built-in effects include reverb (10 types), chorus (five types), and DSP (100 types using 46 effect types including delay, phaser, flanger, wah, rotary, and more). You can apply different effects to a tone to create exactly the sound you want. By adjusting the parameters of the DSP effect types, you can create original DSP effects and store up to 100 original types in memory for later recall.

** DSP and chorus cannot be used simultaneously.*

A great tool for live stage performances

Registration

A simple operation saves the current setup, including tone, rhythm, and other settings for instant recall when you need them.* You even can save tones to which effector effects are being applied. Recalling a registration instantly changes the digital keyboard's setup, making this a great tool for live stage performances.

** 6 sets x 16 banks for 96 setups*

Create distinctly original sounds

Tone Editor

Tone Editor can be used to adjust attack time, release time, cut off, vibrato, reverb, chorus, DSP, and other parameters as desired. You can create distinctively original tones for performances and music creation sessions.

A wide selection of phrases that can be used in songs

Arpeggiator

With the arpeggiator, you can play various arpeggios and other phrases automatically by simply pressing keys on the keyboard. You can select from 150 different arpeggiato types, including playing arpeggios from a fingered chord, guitar phrases, and more.

The expandability to configure an ideal musical environment

SD Memory Card Slot

Song sequencer, pattern sequencer, tone editor, and other data can be saved to an SD or SDHC memory card. An Audio Record function can be used to record digital audio data. SMF (Standard MIDI File) data stored on an SD or SDHC memory card can be played back on the digital keyboard.

Input / Output Terminals

Different input/output terminals are provided to meet a variety of needs: line out terminals (L/MONO, R) for connection of the mixer of a stage PA system or other devices, an INST IN terminal and a MIC IN terminal for connection of a musical instrument or microphone, an audio in terminal (AUDIO IN) for audio device input that can be output through the speakers, and more.

USB Port

The USB port provides easy computer and MIDI send/receive connection. It also enables quick and simple transfer of song sequencer, pattern sequencer, tone editor and other data, as well as audio data recorded to an SD memory card from an audio device. Download of a special Data Manager 6.0 application is required in order to transfer data to a computer.*

** Data Manager 6.0 download site:(Scheduled to open in December 2010)*
http://www.casio-intl.com/support/download.html
Go to the above page and click "Musical Instruments".

True musical instrument quality, simple operation

AHL Sound Source

The sound source is pre-programmed with digital samples of acoustic musical instruments recorded using the most advanced digital technology. Thanks to CASIO original sound technology, the AHL sound source is capable of reproducing all of the natural smoothness of the original waveform.

800 Built-in Tones and 100 User Tones

The AHL sound source delivers a total of 800 versatile built-in tones, including a wide selection of Oriental tones. You also can store up to 100 of your own original tones for instant recall whenever you need them.

250 Preset Rhythms and Auto Accompaniment

A total of 250 preset rhythms cover a wide range of musical genres, form Oriental to rock, pops, jazz, Latin, piano pieces, and more. Simply select the built-in rhythm you want and Auto Accompaniment provides you with backup that is the next best thing to having a professional band at your disposal.

Large Dial

A large operation dial provides instant access to a variety of functions. The dial really comes in handy during music creation using sequencer functions and mixer functions.

Display

The display shows the currently selected tone name and rhythm name, along with a wealth of other information. On the sequencer screen, for example, you can check the current status and volume level of each of the 16 tracks, and other setting information at a glance.

Piano-Style Keyboard and Touch Response

The keyboard is designed and engineered to provide a realistic piano experience. Just like a grand piano keyboard, Touch Response causes sound that is output to change in accordance with the amount of pressure applied to the keys.

High-output 2-Way Bass Reflex Speakers

A 7W+7W* high-output bass reflex 2-way 4-speaker system delivers rich sound from low range to high. The speakers can be used as high-quality monitoring speakers during performances and music creation sessions.

Pitch Bend Wheel and Modulation Button

The pitch bender wheel makes it easy to add realistic sounding guitar choking, sax bending, and other effects to keyboard play. This in combination with the modulation button for applying vibrato and other effects puts a wide range of playing versatility at your fingertips.

Packed with features and functions to stimulate your native creativity.

76 KEYS
AT-5

From tone creation to recording and composing

61 KEYS
AT-3

AT-5 | AT-3

AHL SOUND SOURCE · GENERAL MIDI · USB · SDHC