

Roland®

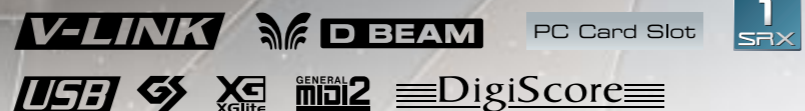
roland



ROLAND KEYBOARDS
G-70 • EXR-7s • EXR-5s • EXR-3s • EXR-40 OR

G-70

MUSIC WORKSTATION



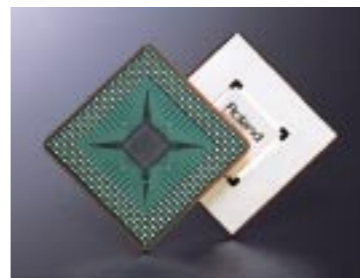
Renowned for revolutionary keyboards, Roland now reaches another historic milestone with the introduction of the G-70 Music Workstation. The G-70 incorporates concepts and technologies from across the entire Roland product range, resulting in an instrument that epitomizes the very best of Roland...



The best sound

The best sound engine

The G-70 uses Roland's most powerful sound engine ever. With its lightning-fast processor, 128-voice polyphony and six realtime performance parts, the G-70 will satisfy even the most demanding player.



The best sound quality

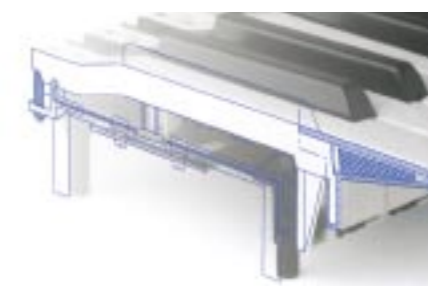
The sound quality of the G-70 is sure to impress, as it uses the largest internal WAVE ROM in Roland keyboard history - 192 MB*. It boasts the best sounds from the Roland library, as well as one of the most expressive Grand Piano sounds Roland has ever produced. Many new studio-sampled guitars, accordion and other instrument sounds are also included, providing an ultra-realistic feel to arrangements.

* 16 bit linear equivalent.

Professional Expressiveness

76-key Pro-Action Keyboard

The keyboard on the G-70 features a superb weighted Pro-Action, with aftertouch, which has a longer stroke and a natural responsive feel.



Harmonic Bars

The G-70 caters to the needs of organists by including nine sliders which physically reproduce the feeling of playing a real Harmonic Bar Organ, using the renowned Virtual ToneWheel technology from Roland's VK organ range. These sliders are linked to the 3D animated Virtual Harmonic Bars on the full-colour LCD and can also be assigned to a variety of functions for a truly expressive performance.



The latest Style technology

Brand-new styles

The G-70's arranger section includes 285 completely new styles, each with four variations, four intros, four endings, and six fill-ins, which exploit the full potential of the powerful sound engine.

Many of these styles have been recorded using live studio musicians to create top-quality professional backings.



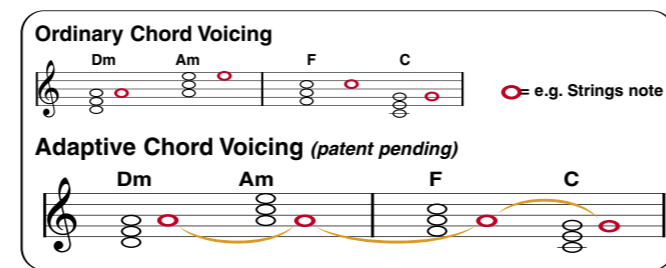
Cover / Make Up tools for customising styles/songs

The G-70 also includes the Cover and Makeup tools, allowing you to change instantly any part of your style or song. Thousands of different styles can be easily created using these features.



Adaptive Chord Voicing

The greatest innovation in the arranger section is a new technology called "Adaptive Chord Voicing" (ACV). The technology is based on an intelligent real-time chord voicing for each accompaniment part, which creates a natural arrangement - each instrument in the style plays smooth musical lines instead of jumping to awkward intervals each time the chord is changed.



User Interface

Increased switches

For ease of use, the G-70 incorporates a record number of switches, buttons and sliders in its control panel.

Full-colour LCD screen

A full-colour touch screen, complete with "click noise" to confirm actions, is also included for quick and simple operation.

DigiScore and lyric display

The G-70 features a high-quality 4-stave score display as well as the facility to view chords and lyrics. This chord and lyric information can also be viewed on an external TV screen using the video output.



Advanced Features

Data storage

The G-70 has a huge internal memory (Solid State Disk), a floppy disk drive, and a memory card slot that supports many current devices, such as Smart Media and Compact Flash.



Effects and mastering

There are seven independent effects sections on the G-70 including dedicated sections for the Harmonic Bars Harmonist, and the External Audio Input.

Mastering tools derived from the renowned VS Pro Audio range are also included for even greater control.



Harmonist

The Vocal Harmonist on the G-70 has over 90 different settings and many additional effects and features, including Auto Pitch Correct and Vocoder.



Music Assistant

The correct sounds, style, tempo, and effects are automatically selected for each of the 500 well-known songs on the Music Assistant database, to which new songs can be added as required.

16-track Sequencer / 8-track style Composer

The full 16-track Sequencer and the internal Style Composer can be edited in precise detail using the Microscope edit functions.



Quick search

Quick search is an essential feature that has a huge database inside. The G-70 offers the direct Finder function for quick recall of your next Song, Style or User Programs.

USB

For easy file exchange and MIDI transfer to PC, a USB connector is provided.

SRX expandability

Roland's SRX expansion board series offers a wide selection of the highest quality sounds, taken from the world's top professional studios.



EXR-7s • EXR-5s • EXR-3s INTERACTIVE ARRANGERS

Designed with performers in mind, the EXR-s series offers professional quality instruments with exceptional sound quality and amazing flexibility.

Impressive sound quality and musical expandability

Outstanding sound quality

All models in the EXR-s series include 510 high-quality instrument sounds and 20 drum kits, with vast waveforms from Roland's professional sound library. The EXR-7s even comes with an extra 21 specially-designed Super Tones.

The Roland's best piano sound

Piano sounds are one of the key features of the EXR-s series, and all three models come with some of the most realistic stereo piano sounds available in this price range.

Wide variety of styles with Cover function

The EXR-s series features 164 fresh music styles created by top international musicians for a truly live feel.

The innovative Cover function allows you to choose from five presets for instant, real time style re-orchestration.

Imagine creating completely new arrangements at the touch of a button!

USB ready

With the built-in USB port, you can quickly exchange song and style data between the EXR-s' internal Flash Memory and your PC. It's so easy: just connect, then simply drag and drop!

The USB connection also gives you the option to work with various PC software packages which help you to compose music, learn to play, or simply have fun.

Flash Memory

The EXR-s range comes with Flash Memory as standard which means that it can hold up to 4MB-worth of your own selection of songs and music styles (2,5 MB is filled preloaded as bonus styles and songs).

You can obtain new songs and styles from your favourite music store or the Internet to keep your EXR-s keyboard updated as your taste changes or musical trends evolve.

EXR-7s INTERACTIVE ARRANGER

The EXR-7s builds on the reputation and performance features found in Roland's popular EXR keyboards, thanks to its 76-note professional keyboard, high-quality Super Tones, Flash Memory for adding new songs and styles, and more. The EXR-7s has also further improved the high-quality piano sound derived from the Roland Stage Piano series.

Main features

- 76-note velocity sensitive keyboard
- 510 tones, 21 Super Tones, 20 Drum Kits
- 2 types of stereo sampled piano sounds
- 164 styles covering a wide range of musical genres
- 4 MB of built-in Flash Memory (approx. 2,5 MB is used with factory loaded data) and USB port
- 3.5" FDD
- Unique Cover function for instant re-orchestration of Styles and Songs
- 100 Users Programs and 126 Music Assistants for instant Settings
- 16-track recorder with "minus-one" playback function
- Onboard D Beam enables unique expressive control over EXR-7s sounds
- Powerful Speaker system with Bass Reflex System



EXR-5s INTERACTIVE ARRANGER

The EXR-5s boasts a powerful 64-voice sound engine filled with a variety of sounds designed to satisfy even the most demanding player. The 510 onboard Tones use high-quality waveforms through the powerful speaker system create a realism never before found in this price range.

Main features

- 61-note velocity sensitive keyboard
- 510 high quality instrument sound, 20 drum kits
- Authentic stereo sampled piano
- Maximum 64-voice polyphony
- 164 styles covering a wide range of musical genres
- 4 MB of built-in Flash Memory (approx. 2,5 MB is used with factory loaded data) and USB port
- 3.5" FDD
- Unique Cover function for instant re-orchestration Styles and Songs
- 100 Users Programs and 126 Music Assistants Settings
- 16-track recorder with "minus-one" playback function
- Powerful Speaker system with Bass Reflex System



EXR-3s INTERACTIVE ARRANGER

With its powerful sound engine, the EXR-3s produces high-quality, vibrant sounds and features 164 contemporary music styles created by top international musicians for a truly live feel. At a very affordable price, the EXR-3s also supports Flash Memory, USB port and even has V-LINK capability.

Main features

- 61-note velocity sensitive keyboard
- 510 high quality instrument sounds, 20 drum kits
- Authentic stereo sampled piano
- Maximum 64-voice polyphony
- 164 styles covering a wide range of musical genres
- 4 MB of built-in Flash Memory (approx. 2,5 MB is used with factory loaded data) and USB port
- Unique Cover function for instant re-orchestration of Styles and Songs
- 100 Users Programs and 126 Music Assistants Settings
- 16-track recorder with "minus-one" playback function
- Powerful Speaker system



EXR-40 OR

INTERACTIVE ARRANGER

An exciting new oriental keyboard from Roland

A host of high-quality sounds, a vast collection of live-feel styles, created by masters of Oriental music, unique professional features, advanced User Program functionality, and an elegant, professional look.

The EXR-40 OR is the most complete Oriental keyboard on the market today.

Main features

- High-class 64-voice polyphonic sound engine with plenty of Oriental instrument and rhythm sounds
- Huge collection of Oriental/international Styles
- 200 User Programs with advanced features for live applications
- Unique Lock function with 5 dedicated buttons
- 4 MB of internal Flash Memory
- USB for data exchange with a computer and MIDI communication



Advanced functions

Authentic Oriental flavours

The 64-voice polyphonic sound engine provides 592 Panel tones (compatible with GM2, GS and XG lite), including plenty of Oriental instruments, and instant Layer/Split capability via dedicated buttons. 26 Drum Sets cover all major genres of Oriental and western music. Though already stunning as they are, those sounds and Drum Sets can be enhanced further with a digital multi-effects processor (47 types) as well as reverb (8 types) and chorus (8 types effects).

Unique features for professional performance LOCK function

To support true realtime performance for Oriental music, 10 "Lock" functions can be enabled/disabled using dedicated buttons below the display.

USER TONE Selection

The EXR-40 OR allows you to assign frequently-used sounds to 8 User Tones buttons. Those assignments are User Program parameters, and can therefore change with each User Program you select, if required.

Massive and expandable musical contents

The EXR-40 OR comes with a huge number of Roland music styles that cover a vast range of oriental and western genres. The factory ROM section contains 99 music styles and another 99 styles are provided in the 4MB Flash memory area. That area still has ample room for additional styles you can load from floppy disk, or copy from your computer's hard disk.

SPECIFICATIONS

	EXR-3s	EXR-5s	EXR-7s	EXR-40 OR
Keyboard				
	61 keys , velocity sensitive	61 keys , velocity sensitive	76 keys , velocity sensitive	61 keys, velocity sensitive
Sound source				
	PCM samples	PCM samples	PCM samples	PCM samples
Max Polyphony	64 voices	64 voices	64 voices	64 voices
Tones	530 panel selectable tones including 20 drum kits (542 XG compatible sounds/ 256 GM2 compatible sounds)	530 panel selectable tones including 20 drum kits (542 XG compatible sounds/ 256 GM2 compatible sounds)	551 panel selectable tones including 21 Super Tones and 20 drum kits (542 XG compatible sounds/ 256 GM2 compatible sounds)	592 panel tones (542 XG compatible/ 256 GM2 sounds) including 56 oriental and 26 drum sets (11XG compatible +9 GM2 compatible)
Multitimbral parts	19	19	19	19
Compatibility	GM2/ GS/ XG Lite	GM2/ GS/ XG Lite	GM2/ GS/ XG Lite	GM2/ GS/ XG Lite
Display type				
	New large backlit custom display (orange)	New large backlit custom display (orange)	New large backlit custom display (orange)	New large backlit custom display (blue)
Panel controls				
Buttons & Knobs	VOLUME knob, ACCOMP/KEYBOARD BALANCE buttons, TEMPO/DATA buttons, BENDER/MODULATION lever, FAMILY buttons, SELECT buttons, numeric buttons [0]-[9], 8 assignable TONE family buttons	VOLUME knob, ACCOMP/KEYBOARD BALANCE buttons, TEMPO/DATA buttons, BENDER/MODULATION lever, FAMILY buttons, SELECT buttons, numeric buttons [0]-[9], 8 assignable TONE family buttons	VOLUME knob, D BEAM, ACCOMP/KEYBOARD BALANCE buttons, TEMPO/DATA buttons, BENDER/MODULATION lever, FAMILY buttons, SELECT buttons, numeric buttons [0]-[9], 8 assignable TONE family buttons, STYLE buttons	VOLUME knob, ACCOMP/KEYBOARD BALANCE buttons, TEMPO/DATA buttons, BENDER/MODULATION lever, FAMILY buttons, SELECT buttons, numeric buttons [0]-[9], 12 ORIENTAL SCALE buttons, 3 SCALE MEMORY buttons
Music Styles/Song				
Preset styles	164 Styles in Flash memory (84 factory + 80 changeable)	164 Styles in Flash memory (84 factory + 80 changeable)	164 Styles in Flash memory (84 factory + 80 changeable)	198 Styles in Flash memory (99 factory + 99 changeable)
One Touch	2 x 84	2 x 84	2 x 84	2 x 99
Orchestrator	3 levels: Drum&Bass, Combo, Full Band	3 levels: Drum&Bass, Combo, Full Band	3 levels: Drum&Bass, Combo, Full Band	3 levels: Drum&Bass, Combo, Full Band
Style Cover	5: Acoustic, Pop, Rock, Dance, Ethnic	5: Acoustic, Pop, Rock, Dance, Ethnic	5: Acoustic, Pop, Rock, Dance, Ethnic	No
Songs	Realtime SMF player	Realtime SMF player	Realtime SMF player	Realtime SMF player
Song Cover	5: Acoustic, Pop, Rock, Dance, Ethnic	5: Acoustic, Pop, Rock, Dance, Ethnic	5: Acoustic, Pop, Rock, Dance, Ethnic	No
Recorder				
16-Track Recorder	4 easy modes (ALL, Keyboard, Single, Punch In/Out)	4 easy modes (ALL, Keyboard, Single, Punch In/Out)	4 easy modes (ALL, Keyboard, Single, Punch In/Out)	4 easy modes (ALL, Keyboard, Single, Punch In/Out)
Flash Memory				
	4 MB for Music Styles, User Program sets and Songs	4 MB for Music Styles, User Program sets and Songs	4 MB for Music Styles, User Program sets and Songs	4 MB for Music Styles, User Program sets and Songs
User Programs				
	100	100	100	200

	EXR-3s	EXR-5s	EXR-7s	EXR-40 OR
Effects				
	Reverb: 8 types, Chorus: 8 types, Multi-FX: 47 types	Reverb: 8 types, Chorus: 8 types, Multi-FX: 47 types	Reverb: 8 types, Chorus: 8 types, Multi-FX: 47 types	Reverb: 8 types, Chorus: 8 types, Multi-FX: 47 types
Data Storage				
FDD	No.	3.5" 2HD/2DD (Styles, Songs/SMF, User Programs)	3.5" 2HD/2DD (Styles, Songs/SMF, User Programs)	3.5" 2HD/2DD (Styles, Songs/SMF, User Programs)
	File save & load from PC via USB (Styles, Songs)	File save & load from PC via USB (Styles, Songs)	File save & load from PC via USB (Styles, Songs)	File save & load from PC via USB (Styles, Songs)
Metronome				
	Time signature setting (1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8), Volume setting	Time signature setting (1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8), Volume setting	Time signature setting (1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8, 9/8), Volume setting	Time signature setting (1/4 ~9/4, 1/8 ~9/8), Volume setting
Other functions				
	3 easy modes: Piano/Solo, Arranger/Band, Piano Mode, Music Assistant: 126 settings, Split (2 Tones: Split [L]+Main[R]), Dual (2 Tones: Main+ Dual), Melody Intelligence: 18 types, Octave (-4 ~4), Transpose (-12-12), V-LINK System Updates: Yes	3 easy modes: Piano/Solo, Arranger/Band, Piano Mode, Music Assistant: 126 settings, Split (2 Tones: Split [L]+Main[R]), Dual (2 Tones: Main+ Dual), Melody Intelligence: 18 types, Octave (-4 ~4), Transpose (-12-12), V-LINK System Updates: Yes	3 easy modes: Piano/Solo, Arranger/Band, Piano Mode, Music Assistant: 126 settings, Split (2 Tones: Split [L]+Main[R]), Dual (2 Tones: Main+ Dual), Melody Intelligence: 18 types, Octave (-4 ~4), Transpose (-12-12), V-LINK System Updates: Yes	3 easy modes: Piano/Solo, Arranger/Band, Pianist, Music Assistant: 126 settings, Split (2 Tones: Split [L]+Main[R]), Dual (2 Tones: Main+ Dual), Melody Intelligence: 18 types, Octave (-4 ~4), User Transpose (-12-12)/Global Transpose (-6-5), V-LINK System Updates: Yes LOCK Functions (setting filters x 10): STYLE, TONE, TEMPO, TRANSPOSE, MONO/PORTAMENTO
Connections				
USB	MIDI Communication and file transfer	MIDI Communication and file transfer	MIDI Communication and file transfer	MIDI Communication and file transfer
MIDI	MIDI IN, OUT	MIDI IN, OUT	MIDI IN, OUT	MIDI IN, OUT
Outputs	L/Mono, Right (1/4" phone jacks), Phones 1/2 , DC IN (adapter)	L/Mono, Right (1/4" phone jacks), Phones 1/2 , DC IN (adapter)	L/Mono, Right (1/4" phone jacks), Phones 1/2 , DC IN (adapter)	L/Mono, Right (1/4" phone jacks), Phones 1/2 , DC IN (adapter)
Others	Output Power: 5W+5W with "Digital Bass Enhancer", Stereo speakers: 2x ø12cm	Output Power: 10W+10W with "Digital Bass Enhancer", Stereo speakers: 2x ø12cm Bass Reflex	Output Power: 10W+10W with "Digital Bass Enhancer", Stereo speakers: 2x ø13cm, Bass Reflex	Output Power: 10W+10W with "Digital Bass Enhancer", Stereo speakers: 2x ø13cm, Bass Reflex
Power supply	12V/1A	12V/3.5A	12V/3.5A	12V/3.5A
Others				
Dimensions (mm)	1020 (W)x 355(H) x 132(D)	1020 (W)x 355(H) x 132(D)	1260(W) x 373(H) x 139	1020(W) x 355(H) x 132(D)
Weight	7 kg	8kg	12kg	8 kg
Supplied accessories	Owner's Manual, ACO adapter, Music rest, USB cable, CD-ROM with USB driver	Owner's Manual, PSB-4U adapter, Music rest, USB cable, CD-ROM with USB driver	Owner's Manual, PSB-4U adapter, Music rest, USB cable, CD-ROM with USB driver	Owner's Manual, PSB-4U adapter, Music rest, USB cable, CD-ROM with USB driver

SPECIFICATIONS

	G-70
Keyboard	
	76 key Pro-Action Keyboard with aftertouch
Sound	
Max Polyphony	128 voices
Compatibility	GM2/ GS/ XG Lite
Tones	1,596 tones in 16 families, 48 drum sets
Multitimbral parts	32
SRX-series expansion	1 slot (board optional)
Effect Processor	7 programmable units: 8 x Reverb, 8 x Chorus for Arranger/Recorder/16-Track sequencer, 12 x Reverb, 6 x Chorus for Keyboard parts, 84 x Multi-FX for Keyboard parts, 84 x Multi-FX for External Audio Input, Parametric equalizer & multiband compressor
Styles	
Preset styles	285 styles, on 12 genres
Variation / Intro / Ending / Fill in	4 Variations / 4 Intro / 4 Endings / 6 Fill in
Style Cover	30 ALL Covers, 18 Drum Covers, 24 Bass Covers
One Touch Setting	4 for each Style, programmable
Songs	
Realtime SMF player	4 programmable MARK & JUMP locations
Song Cover	30 ALL Covers, 18 Drum Covers, 24 Bass Covers
Song MakeUp tools	Instrument-oriented editing
Panel controls	
Sliders & Knobs	9 Assignable sliders, 7 knobs, 1 Rotary Encoder
Pitch Bender and Modulation	Yes
D Beam	Yes, (4 modes)
Keyboard/Accomp Balance	Yes
Keyboard Part /Tone assign switches	Upper1, Upper2, Upper3 Lower1, Lower2, Manual Bass
Display	
	Colour Touch Screen with click noise
Player/Recorder	
Player	Realtime SMF player, Song Chain possibility, Mark/Jump with 4 locations for each song
Sequencer	16-track, with micro-editing feature 8-track User Style Composer with micro-editing features
Lyrics Display/ DigiScore	Yes with Chord Extractor and Text import/Export function
Songs	Unlimited Song database
Harmonic Bars	
Virtual ToneWheel technology	Yes
For Upper1, Lower1	9 harmonic bars (16', 5-1/3', 8', 4', 2-2/3', 2', 1-3/5', 1-1/3', 1')
For Manual Bass	2 harmonic bars (16', 8')
Percussion	On, Off, 2-2/3', 4', Slow, Fast
Effects	Leakage Level, Overdrive, Vibrato/Chorus (On, Off, V1, C1, V2, C2, V3, C3), Rotary Speaker Simulation (Slow/Fast, Motor on/off via MODULATION lever)
Memories	8x3 (Upper1, Lower1, MBass), programmable registrations
Vocal Harmonist	
Mode	4 presets: Talk, Voice-FX, Auto Pitch, Singer 3 Programmable Harmony types: 30 Small, 30 Ensembles, 24 vocoder
User Programs	
Capability	Unlimited access
Music Assistant	
Capability	About 500 presets, programmable

Data Storage	
FDD	3.5" 2HD/2DD
Other Mass storage	About 50 MB Internal SSD (Solid State Disk) 1 PC Card slot1 (supports: Microdrive, Compact Flash, Memory Stick, Smart Media, using Card adaptor)
Type of files managed	Style, Song (SMF), User Program, MIDI Set, Play List, File.txt
Metronome	Yes, with dedicated audio output
Other functions	
Database Finder	Song, Style, User program
Easy Setting	Arranger, Organ, Piano
Chord Alteration System	Adaptive Chord Voicing
Melody Intelligence	18 types
Tap Tempo	Yes
Transpose	-6 ~ 5 (with Singer key adaptor)
Song Chord Extractor	Yes
Fade Out/IN	Programmable in the 2 assignable switches
V-LINK	Yes
Updating system	Yes, on Flash
Connectors	
USB	MIDI USB Communication and Data Transfer
MIDI	IN, OUT, THRU
Outputs	Audio: Main (L/mono, R) Direct (L, R), Vocal Harmonist (L, R), Metronome. Video: for Lyrics and Chords (2 types)
Sockets	1 x Hold Pedal, 1 x Assignable Switch, 1 x Foot pedal, 1 x FC-7 Control Pedal External audio input (L,R), Vocal Harmonist Input (XLR/TRS, Phone balanced /unbalanced)
Phones	1
Others	
Dimensions (mm)	1294,5 (W) x 158(H) x 437 (D)
Weight	20,5 kg
Supplied accessories	Owner's Manual, power cord, Music rest

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