Standard MIDI Files made flexible

Unlike keyboards with an arranger function, the DisCover 5 uses Standard MIDI Files on floppy disk or Smart Media™ as accompaniments for your solo playing and/or singing. But these MIDI files are much more flexible, thanks to new technology invented by Roland that permits realtime manipulation of pre-recorded material in ways never before imagined.

Cover
How flexible? Thanks to the pre-programmed Cover templates, you simply press a field on the touch-sensitive display to change the orchestration of the selected Standard MIDI File. There are 72 templates you can use straight away (30 ALL, 18 Drums, 24 Bass; Drums and Bass only affect the percussion or bass line). Those templates have a dramatic impact on the song's character. Changing the orchestration in this way takes less than a split second and can turn a heavy rock song into a Pop classic rendition, to name but one example.

Mark and Jump
If the audience gets carried away by one of your songs, there are four Mark/Jump buttons that let you repeat the verse, chorus, bridge, etc, of a song as often as you like. Already available for all the songs on the supplied Smart Media™ card, you can also program them yourself for new material you add to your repertoire.

Singer Key
An equally useful function is called Singer Key: simply sing or play the highest and lowest notes you're capable of (before the gig, that is). These reference notes are then used to automatically transpose all Standard MIDI Files in realtime, thus allowing you to sing along effortlessly. You can even save those settings for all singers with whom you perform on a regular basis.

Easy Song Management

Using the **Song Finder**, you can classify songs by genre, author and title-making it easy in large song archives on **Smart Media™** (64MB Smart Media™ included). And with the Next Song Reserve function, DisCover 5 can automatically load your next song and start playback once the current song ends.

If the search criteria is unfamiliar to you, there is always the **Play & Search function**: just play the main theme of the desired song on the keyboard and DisCover 5 will locate it for you.

64MB Smart Media™ included

Fully programmable

Apart from all the convenient "presets" mentioned so far, which are available at all times, the DisCover 5 is also a thoroughly programmable instrument. So feel free to modify sound-related and Harmonizer settings (including the effects), and to save them in one of the 128 User programs.

Simply recalling a User Program also loads the song the settings apply to, and even reconfigures the DisCover 5 MIDI settings, if need be.

And just in case 128 User Programs are not enough, you can also directly access any number of User Programs on a Smart Media™ card.

Singing in perfect harmony

Another highlight of the DisCover 5 is its **Vocal Harmonizer** function with over 90 preset settings to achieve those perfect harmonies. Rivaling the best devices currently available, it not only produces amazingly realistic choir effects such as "Small" (i.e. duet) or "Ensemble", but also boasts various other modes.

Voice-FX allows you to change a man's voice into a woman's or a robot's. You'll be amazed at how well it works! **Auto Tune** can correct flat singing or even spoken words into a perfectly usable vocal line for a popular effect that is easy enough to "believe". The Vocoder, on the other hand, can be used for adding a "spoken" effect to the notes of the selected track or keyboard (a popular effect in dance music, for instance).

Choose **Singer** if you don't need any of the above special processing, while preserving the option to add harmonies. This audio channel boasts dedicated programmable reverb, delay, compressor and gate effects, to give your voice that professional sound (it has separate DSPs for the microphone voice and the harmony parts.). For announcements, select **Talk**, which bypasses the effects and/or the harmonizer function.

Auto Harmony
Furthermore, a revolutionary technology allows to add harmonies to your singing in realtime based on note information contained in the SMF, even if the Harmony track is not present!

Sound perfection

Switch on the programmable **Minus-One** function and play the muted part via the keyboard. You can play one sound with your left hand (Lower) and another with your right (Upper) in Split mode, or use both as a lush layer.

Nothing compares to listening to the DisCover 5 perfect sound source. The DisCover 5 comes loaded with 1,422 genuine Roland sounds. It boasts a digital reverb, chorus and an M-FX (multi-effect) with 47 different types. Plus, the Harmonizer section provides separate reverb, chorus, delay, noise gate, and compressor processors, plus a 2-band EQ. Now that's effective!

Lyrics and chords on TV

Lyrics
The lyrics contained in the selected Standard MIDI File can be displayed on screen and/or a TV monitor. To this end, the DisCover 5 is equipped with a Video Output. There's also a function that allows you to add and synchronize lyrics to Standard MIDI Files that do not contain them.

Chord Extractor
The DisCover 5 can also extract chord information from the Standard MIDI Files you play back in realtime. This can come in handy when you are playing with a guitarist, for example, because the information appears on the touch-sensitive display and/or a TV monitor. Best of all: the extraction routine is so fast that your guitarist will never be late again, as the chords are usually displayed a slightly ahead of time.

DisCover 5
REALTIME ORCHESTRATOR

Specifications

Keyboard:	61 keys, touch sensitive
Sound source:	PCM samples
Max. polyphony	64 voices
Tones	1422
Drum Sets	44 incl. ORIENTAL Drum Set
Multitimbral parts	19
Compatibility	GM2/GS
Display type:	Backlit 1/4 VGA, touch screen, with contrast knob
Panel controls:	Alpha dial & Data/Tempo wheel, D-Beam (with macro settings), Bender/Modulation lever, Master Volume, Keyboard/Song Balance, MIC Gain, Voice Level, Harmony Level, Effect Level
Songs:	Realtime SMF player
	Mark/Jump (4 programmable locations)
	Song Makeup Tools: 2 modes: Manual & 72 Covers (30 ALL, 18 Drum, 24 Bass)
	Lyrics import/export
	Text-to-lyrics synchronization
	Lyrics on display, chords on display
	Minus One Programmable, Song Chord Extractor
User Programs:	128, with User Program Finder (realtime access to User Programs on Smart Media™), Hold functions for Tone & Harmonizer settings
Effects:	Reverb (8 types), Chorus (8 types), Multi-FX (47 types)
Data Storage:	Smart Media™, 3.5" 2HD/2DD floppy disk
	(Song, User Programs, MIDI Sets, Song Chain, .txt files)
Vocal Harmonizer:	
Programmable macros	Talk, Singer, Voice-FX (12 macros), Auto Tune
Progr. Harmony mode	Small (30 macros: 10 Male, 10 Female, 10 Mix), Ensemble (30 macros: 10 Male, 10 Female, 10 Mix)
Programmable Vocoder	24 macros (8 Male, 8 Female, 8 Mix)
Programmable Voice Effects	Noise Gate, Compressor, 9 Reverb types, 9 Delay types, 2-band EQ
Programmable Harmony Effects	9 Reverb types, 9 Delay types, 9 Chorus types, 2-band EQ
Other functions:	
Tone Finder	34 families
Favourite Tone	16 memories, programmable
Song/Rhythm Finder	Up to 99,999 songs managed via database
Next Song Reserve	Yes
Keyboard parts	Upper, Lower, MDrums
Fade OUT/IN	Yes, programmable
Octave	Yes, -4 ~ +4 separate adjustable for Upper, Lower, MDrums
Transposition:	Manual and automatic song transposition with Singer Key Adapter, (-6 ~ +5)
Connections:	MIDI IN/OUT/THRU, Output (L/Mono, Right), Hold footswitch, Footswitch (programmable), Foot Pedal, Phones, MIC input, Harmonizer Outputs Separate (Left, Right) or mixed to main Outputs (L/Mono & R), Video Output (composite, independent Lyrics transmission)
Power supply	100V - 117V - 230V - 240V
Dimensions:	1184 (W) x 371 (D) x 127 (H) mm
Weight:	12,5 kg
Supplied accessories:	Owner's Manual, Power Chord, Smart Media™ 64MB (with included SMFs)
Options:	DP-2, DP-6, FS-5U footswitch
	EV-5, EV-7 foot volume pedal
	RH-25, RH-50 headphones
	KC-500/300/100 Keyboard Amplifiers
	KS-12 keyboard stand
	DR-10, DR-20 dynamic microphones
	Smart Media™ cards (8, 16, 32, 64, 128 MB; third-party)

* Specifications and/or appearance are subject to change without prior notice.

Roland®
WE DESIGN THE FUTURE

DisCover 5
REALTIME ORCHESTRATOR

Roland

Realtime Song Orchestration and Vocal

Standard MIDI Files are great but static, right? Wrong. The Roland **DisCover 5 Realtime Orchestrator** can turn them into interactive songs that do exactly what you want, without any editing at all on an external sequencer or software program. At the touch of an icon, you can change the orchestration of songs you buy on floppy disk or download from the Internet, or transpose a song to meet your singing range. Instantly and automatically. Also with one of the most "musical", realistic and versatile harmonizer effects available, the DisCover 5 supplies harmony lines for your singing, and turns you into a singing sensation using four powerful modes. Add a sound engine with some of Roland's finest sounds and the DisCover 5 provides you with everything you need. Instantly, automatically, and professionally.