

Product Outline

The PROXIMA accordion company is proud to announce the MIA 37 (piano-type) and MIA B46 (button-type) Digital Accordions. These two models mark the official start of our new PROXIMA company, which is dedicated to digital accordions.

Great care was taken to preserve the feel of an acoustic accordion and all those little details that have turned acoustic accordion instruments into coveted classics that appeal to the mind the hands and the heart. But make no mistake: the MIA-series is quintessentially about technological innovation.

These evolved accordions are both special and unique, waiting for you to make them your own and to convey your emotions through your music like never before on an electronic instrument.

The MIA P37 and B46 are perfect for all accordionists, combining tradition, cutting-edge technology, and aesthetics in one instrument.

Both MIA models have on-board speakers that are driven by a high-quality amplification system.

The wooden cabinet provides an excellent acoustic response, producing a warm clear sound.

The onboard batteries provide 9 hours of operation and can be recharged simply by connecting an AC adaptor directly to the instrument.

All external device connections, including MIDI, USB, and audio, are conveniently located on the instruments itself.

A rich selection of traditional accordion sounds from around the world, as well as over 109 orchestral sounds and 9 Drum Sets. The 2 powerful multi-effects engines (MFX) is available and can be used to further enhance, the Orchestra 1, Orchestra 2 sections respectively.

A large color display with an intuitive user interface and a host of dedicated buttons allow users to easily control the instrument.

140 user program memories are available to save custom settings for every performance situation.

On the MIA Piano and Button type, layering and zone setup options are available for the right-hand, providing the ability to play up to four tones at once. Left-hand keyboard modes include several layering options.

The WAV player allows you to play along with your favorite music for practice purposes or live backing using an optional micro SD card device. Accordion performances can be recorded directly to micro SD card memory as well.

Market Background

The MIA digital accordion is a modern instrument firmly rooted in a time-honoured tradition and culture. An accordion built from high-quality wood, it uses the same mechanical parts for the keyboard section as an acoustic instrument, and it relies on the same movements of the bellows and the airflow it generates.

This instrument was developed with the most demanding players in mind, like conservatory students, professional performers, musicians, and teachers.

In line with common market requests, the MIA has FIVE NEW KEY FEATURES:

- New look with redesigned wooden cabinet. The accurate shape of the cabinet ensures perfect playability of the instrument and a comfortable feel.
The cabinet will be available in many color variations, with the option to select different colors at the time of ordering.
- The high quality of the keyboards use for acoustic accordions: the MIA series will feel instantly familiar for traditional players.
Real key mechanisms for the Piano and Button keyboards, based on the same materials used in acoustic accordions.
- Natural Air Flow System combined with Dynamic Bellows technology, which accurately simulate the bellows response of an acoustic accordion.
- The digital sounds and the underlying technology are supplied by Proxima Italian company.
- Weighing a mere 9 kg, a MIA accordion can be played anytime, anywhere without the need for an amplification system or sound module.

Main Features

- Right Hand: 37-key (piano-type) or 76-button (button-type) velocity-sensitive keyboard.
- Left Hand: 96 velocity-sensitive bass buttons; Standard (Stradella) and Free Bass modes
- Support for all popular Standard Bass, Free Bass, and Treble button layouts
- 2.2" color display (320 x 240 pixels)
- Easy-to-use user interface with dedicated function switches
- Harmony function on the right hand
- 10 chord voicing modes in the orchestral section for musical chord inversions and sequences.
- 3 chord voicing modes in the accordion section for musical chord inversions and sequences.
- Poly/Mono and Shift functions for all Orchestra parts
- 4 right-hand keyboard modes: Whole, Zone, High, Low
- Independent MFX for Orchestra 1, Orchestra 2
- Sound edit function for all Orchestra parts
- 140 user program memories
- 32 programmable Accordion Sets
- 14 programmable accordion registers
- 10 programmable Bass & Chord/Free Bass accordion registers
- 109 orchestral sounds:
 - Orchestra 1: 14 in real-time, the others via the Menu
 - Orchestra 2: 14 in real-time, the others via the Menu
 - Orchestra Bass: 10 in real-time, the others via the Menu
 - Orchestra Chord: 10 in real-time, the others via the Menu
 - Orchestra Free Bass: 10 in real-time, the others via the Menu
- 9 drum sets
- Micro SD card host port for uploading of new sounds, WAV playback, and WAV recording
- Waveform dynamic expansion for loading new sounds from the Proxima sound library
- Bass-to-Treble function
- Programmable drum function to play percussion sounds with the Bass & Chord buttons
- Additional user controls: six user-assignable function switches on the last row of the bass buttons
- Bluetooth: transfer of data relating to the editor software compatible with Windows, macOS, Android, iPhone, iPad. Dedicated Proxima app (free download)

Target Users

- Professional performers and amateur accordionists
- Conservatory students
- Accordion teachers
- Education market, such as conservatories, music schools, secondary schools, etc.
- Stage accordion performers

Applications

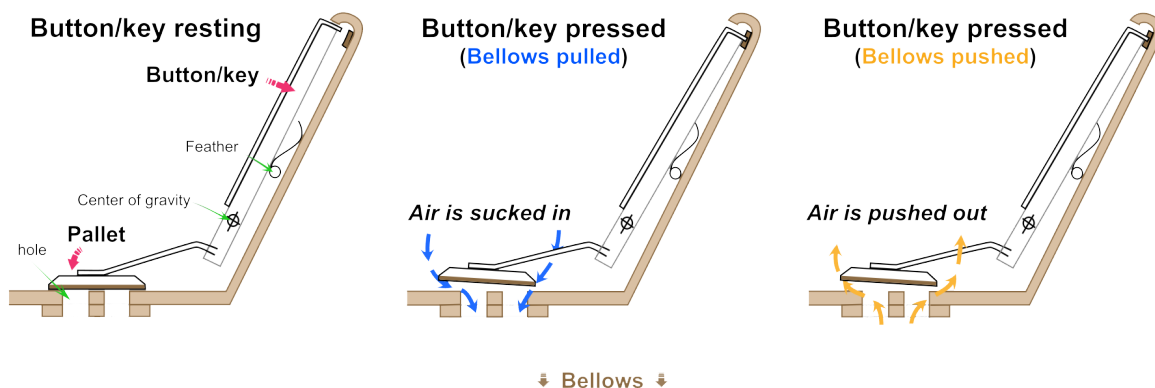
- Users can enjoy playing a fully programmable instrument without restricting their creativity and imagination.
- Playing the MIA digital accordion provides the same feel as an acoustic accordion.
- 140 user program memories allow players to save custom settings for every live situation.
- Users can customize the sound set according to their own needs (models sold in different countries are equipped with area-specific accordion/orchestra sounds).
- Performances can be recorded as audio data to a micro SD card storage device, which is useful for archiving ideas, evaluation, and education.
- WAV song player let users play along with pre-recorded musical tracks for practice and live backing.
- Players can practice quietly at home with headphones.
- For stage users:
 - Percussion sounds in the bass & chord section make accordion performances more dynamic and attractive

Information

- **Natural Air Flow System**

The MIA digital accordion uses a Natural Air Flow System that works the same for keys or buttons: while pressing a key, a lever system lifts a pallet, allowing the air to flow to the hole.

This system allows the player to control a natural movement of the bellows, while the mechanical keyboard provides the quality touch and natural feel.



- **Wooden cabinet (piano and button)**

The beautifully crafted wooden cabinet gives the accordion an elegant and traditional look.



- **High-quality keyboard (piano and button)**

The real crafted keyboard with the typical accordion touch provides a natural feel and response.



• Accordion Chord Voicing

The Accordion Chord voicing function allows the player to choose three modes: Accordion, Mode 1, Mode 2

"Accordion" means that the chord correspond to the ones played by an acoustic accordion.



"Mode 1" means that the root note is missing.



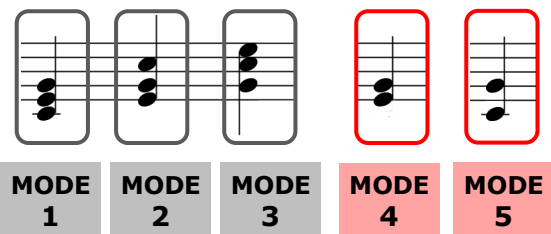
"Mode 2" means that the third degree of the chords is missing.



Note: the examples in the figures show C Major, minor, 7th, and Dim chords. The same concept is used for other chords.

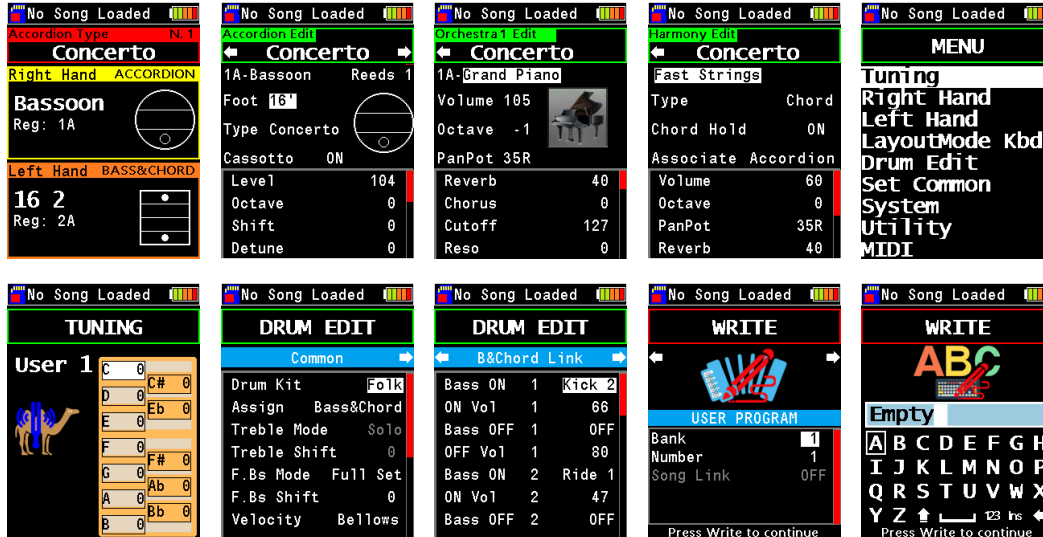
• Orchestra Chord Voicing

The Orchestra Chord voicing function allows the player to choose from 10 modes.



Note: The example in the figure show a C Major chord. The same concept is used for all other chords.

• Clear Color Display



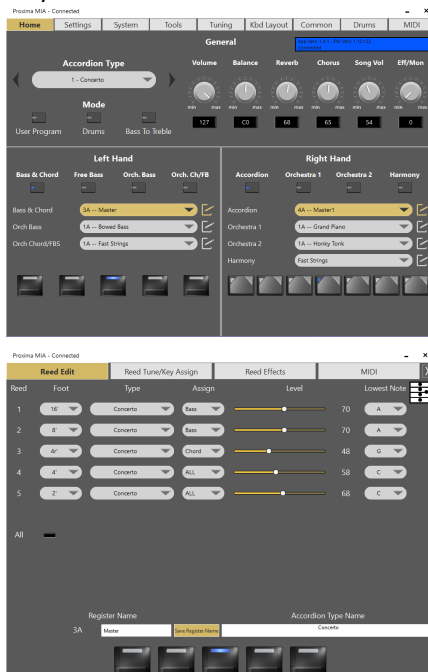
• DSP Effects



The powerful DSP provides two multi-effects engines (MFX), with one each dedicated to the Orchestra 1 and Orchestra 2. Each MFX allows players to choose from 32 different effect types to enhance the sound and allow them to explore new sonic textures.

• Real time EDITOR via Bluetooth connection

Real time EDITOR via Bluetooth with dedicated APP for Windows, MAC, Android, iPhone, iPad.



MIA Piano P37 & Button B46 SPECIFICATIONS

Keyboard, Bass & Bellows

Right hand	37 keys piano type with velocity sensitive. (F-F)
Left hand	76 buttons – button type with velocity sensitive.
Treble Mode (only button type B46)	Piano type/Button type 96 bass buttons velocity sensitive. Standard, Free Bass mode, Orch. Bass, Orch. Chord, Orch. Free Bass. System 1 Europe: C Griff Europe, C Griff Fin, D Griff 1, User 1~ 4 System 2 Bajan: B Griff Bajan, C Griff 2, D Griff 2, User 1~ 4
Bass&Chord Mode	2 Bs Rows, 3 Bs Rows A-7th, 3 Bs Rows A-5dim, 3 Bs Rows B-7th, 3 Bs Rows B-5dim, 3 Bs Rows Bx-7th, 3 Bs Rows Belgium 1, 3 Bs Rows Belgium 2, User 1~ 4
Free Bass Mode	Minor 3 rd , Bajan, Fifth, North Europe, Finnish, Belgium1, Belgium2, Kravtsov, Moschino1, Moschino2, User 1~ 4
Bellows	Natural Air Flow System combined with Advanced "Dynamic Bellows Behavior" technology to manage the behavior of the bellows.
Bellows curve	Standard, Light, Heavy, Fixed Low, Fixed Med, Fixed High

Sound source

Max polyphony	256 voice polyphony
Accordion Type	32 Accordion Type Each Accordion type includes: - Right Hand Registers: 14 Accordion registers (7x2), 14 Orchestra1 registers (7x2), 14 Orchestra2 registers (7x2) - Left Hand Registers: 10 Bass & Chord registers (5x2), 10 Free Bass registers (5x2), 10 Orchestra Bass registers (5x2), 10 Orchestra Chord registers (5x2), 10 Orchestra Free Bass registers (5x2)
Reed Footages	7 x Accordion, 5 x Bass & Chord, 5 x Free Bass
Reed Detune	Micro-tuning, programmable for each reed of every register

Sounds

Orchestra 1 Sounds	109: 14 selectable in real time, the others via the Menu
Orchestra 2 Sounds	109: 14 selectable in real time, the others via the Menu
Harmony Sounds	109 selectable sounds; 4 combination types: Simple, Chord, Octave Up, Octave Dwn
Orchestral Bass sounds	109: 10 selectable in real time, the others via the Menu
Orchestral Chord sounds	109: 10 selectable in real time, the others via the Menu
Orchestral Free Bass sounds	109: 10 selectable in real time, the others via the Menu
Drum Sets	9 Drum sets

User Programs

Storage related settings	140: 10 User Program banks x 14 registers
--------------------------	---

Effects

Reverb, Chorus	Reverb: 8 types, Chorus: 8 types
MFx 1 & 2	32 x Multi-effects for Orchestra 1 and Orchestra 2 (separate processors)
Equalizer	4-band EQ for internal speakers
"Cassotto" simulation	Programmable for each reed

Panel Controls

Knob controls & Registers	Volume, Balance, Reverb, Chorus, Song Volume, Effect/Monitor level, Right hand register buttons 7 (x 2 selections) Left hand register buttons 5 (x 2 selections)
Navigation switches	Encoder Data/Enter (Up, Down, Left, Right, Push) Menu/Write, Exit
Other switches	Right-Hand Parts switches: Accordion, Orchestra1, Orchestra2, Harmony Left-Hand Parts switches: Bass&Chrd, F.Bass, Orch Bass, Orch Chrd/F.Bass Accordion Type (< >), Shift, User Program, Drums, Bass To Treble, Song List, Stop, Play, Pause, Rec, Power
Additional switches	6 user-assignable function switches on last row of bass buttons

Operation modes

Right-hand keyboard modes:	Layer, Zone, High, Low
Octave Shift	-2, 0, +2 for Treble -3, 0, +3 for Orchestra1, Orchestra2, Harmony
Drum Shift	-36 ~ 0 ~ +36 semitones
Accordion Chord Voicing	3 types: Accordion, 3-5, 1-5
Orchestra Chord Voicing	10 types: Mode1, Mode2, Mode3, Mode4, Mode5, Mode1-2, Mode1-3, Mode2-3, Cycle, Random
Sound Edit	Dedicated software editor for full editing of orchestral sounds
Bass to Treble	Yes
Bass&Chord with drum/percussion sounds	Programmable drum/percussion sounds for Bass/Orch Bass (2 rows), Chord/Orchestra Chord (4 rows).
Audio Player and Audio recording	WAV file playback from an SD card, WAV file recording to an SD card
Speaker control	Off, 1~ 127

Others	
Display	Colour TFT LCD 2,2" 240 x 320 pixels
Rated Power Output	2 x 20 W
Speakers	2 x 8 cm full range
Waveform Expansion	600MB dynamic internal area to load new sounds
Power supply	<ul style="list-style-type: none"> - AC adaptor Input 100-240V~1.5A 50-60Hz, Output 12.6V=3A - Rechargeable Li-ion battery pack (7.4V-10000mAh) <p>Expected battery life under continuous use: 9-hours speaker ON mode, 12-hours speaker OFF mode</p> <p>Battery Switch On/Off</p>
Connectivity	Bluetooth: transfer of data relating to the editor softwareCompatible with Windows, macOS, Android, iPhone, iPad. Dedicated Proxima app (free download)
Onboard connectors	<p>OUTPUT jacks L/Mono (Treble), R/Mono (Bass): ¼" phone type,</p> <p>PHONES jack: 3,5 mm stereo miniature phone type,</p> <p>MIDI IN, MIDI OUT connectors,</p> <p>SD Card port,</p> <p>USB COMPUTER port (USB Hi-Speed MIDI support),</p> <p>DC IN jack</p>
Accessories	<p>AC Adaptor</p> <p>Power cord (for connecting the AC adaptor)</p> <p>Owner's Manual</p> <p>Reference caps for the bass&chord buttons,</p> <p>Straps</p> <p>Soft bag</p>
Optional Accessories (sold separately)	<ul style="list-style-type: none"> - SD Card Flash memory - Hard case with casters - Headphones
Dimensions and Weight	
Dimension	<p>Piano type: 460 (W) x 260 (D) x 435 (H) mm</p> <p>Button type: 400 (W) x 250 (D) x 415 (H) mm</p>
Weight (excluding strap, AC adaptor)	<p>Piano type: 9 kg (including battery)</p> <p>Button type: 8.5 kg (including battery)</p>

NOTE

In the interest of product improvement, the specifications and/or appearance of this unit are