Z3 Specifications
- Pitch detection method: 16-bit microprocessor and custom LSI with newly developed pitch extraction algorithm.
- Preset sounds: 128 (6 voices).
- Mode A: real time parameter change. Mode B: programmable mode (128 timbre set patches, 64 program patch play, 6 multi-timbers).
- Effects: 16-bit digital reverer on/off.
- Tuner: digital tuner (calibration range: 438Hz-445Hz).
- Front panel guitar input (24-pin), remote input (8-pin DIN), synth output volume, headphone, power switch, 7-segment LED x 3 digit display, panel switches (INC, DEC, TUNER, REVVERB/ON).

Z3 System Enhancement Options
- Controls: synth volume, program up/down. Connection terminals: standard guitar input jack. Indicators: string sensitivity LED x 1.
- Dimensions (W x D x H): 125 x 74 x 31mm.
- Weight: 420g (excluding cable).
- Supplied accessories: pickup spacers, pickup cushions, double sided mounting tape, screws, attachment plate x 2.

M1 MUSIC WORKSTATION
Features massive ROM sample memory and advanced integrated synthesis system. Has built-in effects and sequencer. The state of the art in synthesizer performance.

MIR MUSIC WORKSTATION
Built-in multi-mode 8-track sequencer gives you the power of eight synthesizers and all of the M1’s incredible performance functions in a rack mount (2U height) sound generation unit.

A3 PERFORMANCE SIGNAL PROCESSOR
Use up to six effects at once. Plug in more effects programs on ROM cards or store your own data on RAM cards. An ideal effects system for guitarists.

FC6 FOOT CONTROLLER
Connects using special cable to enable foot operated control over program change, hold, and other functions. Function control possible with connection of foot pedal or foot switch.

NOTICE
Korg products are manufactured under strict specifications and quality ensured by each Korg location. Korg also distributes only to authorized dealers. Any Korg product not sold with a warranty card or carry- ing send number is a product sold from the manufacturer’s stockpile or a rework. The warranty card is for your own protection and safety.
Transform your guitar into a guitar synthesizer.

And unleash the unlimited expression power at your fingertips.

Your own guitar is the best venue for exploring your technique. And what better way of quixxly and effortlessly capturing your guitar into a high-performance guitar synthesizer than by adding the Z3 and ZDB3 system.

Incredible as it may seem, the Z3 and ZDB3 with their multitude of sounds and powerful functions fills in a 10-keypad area. The compact Z3 driver attaches directly and easily to the guitar body in the bass of both sides - you can utilize all your favorite playing style while drawing upon a colorful palette of fantastic new sounds.

Of course, your regular guitar output is still there. So you can switch between the actual guitar sound and the sounds of the synth. And never again need to switch guitars in the middle of a song.

Now you can create music with guitar and synthesizer sounds simultaneously. Or play synthesizer tones on top of your guitar playing. So you can alter the sounds of the guitar and synths at will.

If you've been looking at guitar synth, or if you already use a guitar synth, you owe it to yourself to check out the Korg Z3/ZDB3. This is the guitar synthesizer system you've been waiting for. A system so advanced that you'll have to try it to believe it.

Z3 Key and Control

The Z3 transforms the guitar into a guitar synthesizer. It reads in-performance information from both strings and converts it to the Z3. It also provides control over the synth sounds using volume pedal and guitar wah. Piano input lets you control the Z3's sound settings from a piano.

A new level of precision and control - Korg's new pitch conversion algorithm doesn't cramp your style.

A guitar synth's pitch detection system is the key to its performance. You want fast, accurate pitch response. But in pickup-type synths, the tracking speed is frantic, jerky. Incorporating with picking style, string pitch, and other variables.

The Z3/ZDB3 guitar synthesizer system responds instantly to each note, regardless of your picking style. You get the sound immediately, so you can play without hesitation.
you are playing the synth instead of waiting for it to catch up. So what makes Korg's system so much more advanced?

Three big reasons are: (1) Parallel processing with dual microcomputers for pitch extraction and sound generation. (2) 16-bit microprocessor and custom LSIs chip apply newly developed algorithm to derive each string's precise pitch. (3) Waveform data from divided pickup is handled by high-speed analog-to-digital converter. You'll notice the difference — no more time lag.

You can use your full range of playing styles. Tracking is maintained with slurs, note bending, damping, vibrato, arpeggios, tremolo arm, and other techniques. Your actual guitar articulation is translated into rich synthesizer sounds. When you add the Z3/ZD3 you simply multiply your expressive power.

Let your creativity run wild — with 6-voice 128-sound presets built-in Piano, organ, strings, trumpet, vibes, and other simulated instrument sounds. Special effects and synthesizer sounds. All together you have a huge variety of high quality timbres to choose from. With 6-voice 128-preset internal sound sources and four digital oscillators per voice, you enjoy realistically high resolution sound quality for everything from delicate metallic percussion to fat analog bass. All these presets are custom designed for the Z3/ZD3 guitar synthesizer system.

Digital reverb is included to add spacious stereo ambiance to your sound. Calibration is easily adjusted in 1Hz steps within a reference pitch range of 436.4 to 440 Hz.

Get off to a quick start with easy-to-use dual-mode operation

No difficult settings. To use mode A, just hook up the Z3/ZD3 to your guitar and make your choices for six parameters (pitch bend, sense key, etc.). These then apply to all six strings and all you have to do is choose from the 128 preset sounds and play your guitar.

Mode B offers four states — play, edit, patch play, and edit patch. This lets you create your own original settings. For example, you can give strings one, two, and three a piano sound, while using the lower strings to trigger a bass sound. Patch play is great for live sets. It lets you arrange patches to match your song order. You can also send your set and patch data as a MIDI exclusive message for storage in a MIDI sequencer like the Korg SQD-8.

Dual-mode operation satisfies professional needs without hampering the novice.

A: B MODE: Select A or B mode on rear panel before turning on power.

MODE A: Gets you going quickly. Settings affect all strings.

1. Sound select: internal preset 1-128
2. Octave up-down: transpose +/-12
3. Reverb on-off for reverberation on synth sound
4. Synth off: selects synth sound on and off
5. Pitch bend on-off: for bend or semitones steps
6. Sets to low/1 to low if needed to prevent misfiring

MODE B: Two kinds of operation.

1. Sound select: internal preset 1-128
2. Octave up-down: transpose +/-12
3. Reverb on-off for reverberation on synth sound
4. Pitch bend on-off: for bend or semitones steps
5. Sets to low/1 to low if needed to prevent misfiring

Interfacing freedom lets you use any MIDI sound generator

Interfacing between electric guitar and MIDI is another strong point of the Z3/ZD3. You can drive other MIDI sound generators to gain broad creative control. Not only does this give you access to particular sounds beyond the presets, it also lets you choose which external synths will be triggered by which strings.

There are two MIDI output modes: POLY and MONO. To control sound sources that are not multi-timbral, you can use the POLY mode to send MIDI data from all six strings over a single MIDI channel. For versatility orchestration you can use the MONO mode to assign a different MIDI channel to each string. The Z3/ZD3 lets your guitar interface with an entire network of MIDI devices.

Advanced Z3 ZD3 Based System Diagram

Use your feet for more flexible control

Foot controller and pedal switch options give you remote control capability, especially useful for onstage performance. The exclusive remote cable (RCC-050) hooks up to the FCS foot controller to allow easy control over individual string parameter settings such as hold and program change. Simply press a foot switch, for instance, to hold the bass notes while playing a melody on top.

Z3 Rear Panel

1. MIDI IN/OUT: For connection to MIDI sound generators or synthesizers, etc.
2. REMOTE
   - FRONT: Switches input between front panel REMOTE and rear panel MIDI IN. Rear MIDI IN cannot be used if REMOTE is selected.
3. MODE switch: Select A or B before turning on power.
4. Pedal switch: For foot controller or pedal switch connection. Allows foot control of Program up/down, bend, synth on/off, etc.
5. Guitar switch: Provides actual guitar sound signal.
6. Synth output L/MONO, R provides single output sound in stereo if digital reverb is on.
you are playing the synth instead of waiting for it to catch up.

So what makes Korg's system so much more advanced?

Three big reasons are:[1] Parallel processing with dual microcomputers for pitch extraction and sound generation.[2] 16-bit microprocessor and custom LSI chip apply newly developed algorithm to derive each string's precise pitch.[3] Waveform data from divided pickup is handled by high-speed analog-digital converter. You'll notice the difference—no more time lag.

You can use your full range of playing styles. Tracking is maintained with slurs, note bending, damping, vibrato, arpeggios, tremolo arm, and other techniques. Your actual guitar articulation is translated into rich synthesizer sounds. When you add the Z3/ZD3 you simply multiply your expressive power.

**Let your creativity run wild**—with 6-voice 128-sound presets built-in

Piano, organ, strings, trumpet, vibes, and other simulated instrument sounds. Special effects and synthesizer sounds. All together you have a huge variety of high quality timbres to choose from. With 6-voice 128-port internal sound sources and four digital oscillators per voice, you enjoy realistically high resolution sound quality for everything from delicate metallic percussion to fat analog bass. All these presets are custom designed for the Z3/ZD3 guitar synthesizer system. Digital reverb is included to add spacious stereo ambiance to your sound. Calibration is easily adjusted in 1Hz steps within a reference pitch range of 438Hz to 445Hz.

**Get off to a quick start with easy-to-use dual-mode operation**

No difficult settings. To use mode A, just hook up the Z3/ZD3 to your guitar and make your choices for six parameters (pitch bend, sense key, etc.). These then apply to all six strings so all you have to do is choose from the 128 preset sounds and play your guitar. Mode B offers four states—play, edit, patch play, and patch edit. This lets you create your own original settings. For example, you can give strings one, two and three a piano sound, while using the lower strings to trigger a bass sound. Patch play is great for live sets. It lets you arrange patches one, two and three to play your song order. You can also send your set and patch data as a MIDI exclusive message for storage in a MIDI sequencer like the Korg SQ9-B.

Dual-mode operation satisfies professional needs without hampering the novice.

**A/B MODE**

Select A or B mode on rear panel before turning on power.

**MODE A:** Gets you going quickly. Settings affect all strings.

**MODE B:** Two kinds of operation.

1. Sound select: internal presets 1-128
2. Octave up/down: transposes pitch
3. Reverb on/off: for reverb on synth sound
4. Synth on/off: turns synth sound on and off
5. Pitch bend on/off: for bends; off for semitone steps
6. Sends hi/low set to low if needed to prevent mistriggering.

You can also send your set and patch data as a MIDI exclusive message for storage in a MIDI sequencer like the Korg SQ9-B.

**Use your feet for more flexible control**

Foot controller and pedal switch options give you remote control capability, especially useful for onstage performance. The exclusive remote cable [RCC-050] hooks up to the FC6 foot controller to allow easy control over individual string parameter settings such as hold and program change. Simply press a foot switch, for instance, to hold the bass notes while playing a melody on top.

**Z3 Rear Panel**

- **REMOTE [FRONT]:** Switches input between front panel REMOTE and rear panel MIDI IN. Rear MIDI IN cannot be used if REMOTE is selected.
- **REMOTE [A] OR B:** Switches A or B before turning on power.
- **Pedal switch:** For foot controller or pedal switch connection. Allows foot control of Program up/down, hold, synth off, etc.
- **Guitar output:** Provides actual guitar sound signal.
- **Synth output [L/MONO, R]:** Provides synth sound in stereo if digital reverb is on.
Your Right to Expressive Freedom.
Now there’s a guitar synth that satisfies the real guitarist in you. Korg’s new Z3 ZD3 gives you that true guitar feeling while opening up the exciting world of MIDI synthesis. Ultra-fast note tracking, built-in pro-quality preset sounds, easy operation, extensive MIDI functions, and many more outstanding specs — everything is devoted to increasing your performance potential. Discover how your own guitar can take you into new dimensions of sonic synthesis. Start exploring the incredible creative options that are now yours with the Z3 ZD3 from Korg.
Z3 Specifications

- Pitch detection method: 16-bit microprocessor and custom LSI with newly developed pitch extraction algorithm.
- Preset sounds: 128 (16 voices).
- Mode A: real-time parameter change. Mode B: programmable mode (128 timbre set patches, 64 program patch play, 6 multi-timbre).
- Effects: 16-bit digital reverb on/off.
- Tuner: digital tuner (Calibration range: 436.4-440Hz).
- Front panel guitar input (24-pin), remote input (Bipins DIN), synthesis output volume, headphones, power switch, 7-segment LED x 3 digit display, panel switches (INC, DEC, TUNER, REVERB ON/OFF).

Z03 Specifications

- Controls: synth volume, program up/down.
- Connection terminals: standard guitar input jack.
- Indicators: string sensitivity LED x 1.
- Dimensions (W×D×H): 125.7×74×31.1mm.
- Weight: 420g (excluding cable).
- Supplied accessories: pickup spacers, pickup cushions, double sided mounting tape, screws, attachment plate x 2.

Z3 & Z03 System Enhancement Options

M1 MUSIC WORKSTATION

Features massive PCM sample memory and advanced integrated synthesis system. Has built-in effects and sequencer. The state of the art in synthesizer performance.

MIR MUSIC WORKSTATION

Built-in multi-mode 8-track sequencer gives you the power of eight synthesizers and all of the M1’s incredible performance functions in a rack-mount (2U height) sound generation unit.

A3 PERFORMANCE SIGNAL PROCESSOR

Use up to six effects at once. Plug in more effects programs on ROM cards or store your own data on RAM cards. An ideal effects system for guitarists.

FC6 FOOT CONTROLLER

Connects using special cable to enable foot operated control over program change, hold, and other functions. Function control possible with connection of foot pedal or foot switch.

NOTICE

Korg products are manufactured under tight specifications and controls issued by each country. These products are warranted to the Korg distributor in each country. Any product not sold with a warranty card or copy bearing the manufacturer’s signature is not covered by this warranty. The requirement is to pass our inspection and safety testing.
Transform your guitar into a guitar synthesizer. And unleash the unlimited expressive power at your fingertips.

Your own guitar is the best vehicle for exhibiting your imagination. And what better way of quickly and effortlessly inspiring your talents than a high-performance guitar synthesizer than by adding the Z3 and ZD3 system.

Incredible as it may seem, the Z3 with its multitude of sounds and convenient functions fits in a 1U height rack. The compact ZD3 driver attaches directly and easily to the guitar body. It's the best of both worlds — you can switch between your pointer playing style while drawing upon a colorful palette of fantastic new sounds. Of course, your regular guitar sound is still there. So you can change between the actual guitar sound and the sound of the synth. And never again need to switch guitars in the middle of a song. Blend the guitar and synth sounds sustain or while playing on top of the other — the possibilities are astonishing.

If you've been looking at guitar synths or if you already use a guitar, you won't be able to believe our Korg Z3/203. This is the guitar system you've been waiting for. A system so advanced that you'll have to try it to believe it.

Z3/203 Parts and Options
The Korg Z3/203 attaches to your guitar body in a matter of seconds. It's a plug-and-play system that uses nylon and polyester for the input cable. It's ideal for use with electric guitars and basses. The Z3/203 features two audio inputs and outputs for the Korg Z3/203 system. It's the perfect partner for all types of music, from rock to jazz and everything in between.

A new level of precision and control—Korg's new pitch conversion algorithm doesn't cramp your style.
A guitar synth's pitch detection system is the key to its performance. Your next most accurate pitch response. But in pitch-carrying synthesizers, tracking speed is hardly precise, fluctuating with picking style, string pitch, and other variables. The Z3/203 guitar synthesizer system responds instantly to each note, regardless of your picking style. Lag is minimized so you can hear the...
you are playing the synth instead of waiting for it to catch up. So what makes Korg's system so much more advanced?

Three big reasons are: [1] Parallel processing with dual microprocessors for pitch extraction and sound generation. [2] 16 bit microprocessor and custom LSI chip apply newly developed algorithm to derive each string's precise pitch. [3] Waveform data from divided pickup is handled by high-speed analog-to-digital converter. You'll notice the difference—no more fine-tuning.

You can use your full range of playing styles. Tracking is maintained with vibrato, note bending, damping, vibrato, arpeggios, tremolo arm, and other techniques. Your actual guitar articulation is translated into rich synthesizer sounds. When you add the Z3/ZD3 you simply multiply your expressive power.

Let your creativity run wild—with 6-voice 128-sound presets built-in

Piano, organ, strings, trumpet, vibes, and other simulated instrument sounds. Special effects and synthesizer sounds. All together you have a huge variety of high quality timbres to choose from. With 6-voice 128-preset internal sound sources and four digital oscillators per voice, you enjoy realistically high resolution sound quality for everything from delicate metallic percussion to fat analog bass. All these presets are custom designed for the Z3/ZD3 guitar synthesizer system.

Digital reverbs is included to add spacious acoustic ambience to your sound. Calibration is easily adjustable in 1Hz steps within a reference pitch range of 438Hz to 445Hz.

Get off to a quick start with easy-to-use dual-mode operation

No difficult settings. To use mode A, you just hook up the Z3/ZD3 to your guitar and make your choice for six parameters (pitch bend, sense key, etc.). These then apply to all six strings so all you have to do is choose from the 128 preset sounds and play your guitar.

Mode B offers four states—play, edit, patch play, and patch edit. This lets you create your own original settings. For example, you can give strings one, two, and three a piano sound, while using the lower strings to trigger a bass sound. Patch play is great for live sets. It lets you arrange patches to match your song order. You can also send your set and patch data as a MIDI exclusive message for storage in a MIDI sequencer like the Korg SQ-8R.

Dual-mode operation satisfies professional needs without hampering the novice.

A: MODE—Select A-B mode on rear panel before turning on power.

- MODE A—Gets you going quickly. Settings affect all strings.
- PLAY

- MODE B: Two kinds of operation.

<table>
<thead>
<tr>
<th>PLAY</th>
<th>EDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>–</td>
<td>Sound select/initial presets 1-128</td>
</tr>
<tr>
<td>–</td>
<td>Octave up/down/transpose pitch</td>
</tr>
<tr>
<td>–</td>
<td>Random on/off for random sound pitch</td>
</tr>
<tr>
<td>–</td>
<td>Synth on/off opens synth sound on and off</td>
</tr>
<tr>
<td>–</td>
<td>Pitch bend on/off on for pitch bend, off for arpeggio steps</td>
</tr>
<tr>
<td>–</td>
<td>Save to internal kit to be used to prevent overwriting</td>
</tr>
</tbody>
</table>

Use your feet for more flexible control

Foot controller and pedal switch options give you remote control capability, especially useful for onstage performance. The exclusive remote cable [RC-050] hooks up to the F-60 foot controller to allow easy control over individual string parameter settings such as hold and program change. Simply press a foot switch, for instance, to hold the bass notes while playing a melody on top.

### 23 Rear Panel

- **MIDI IN/OUT** for connection to MIDI sound generators or synth, etc.
- **REMOTE** (front) - switch to input between front panel REMOTE and rear panel MIDI IN. (Rear MIDI IN cannot be used if REMOTE is selected.)
- **MODE switch** Select A or B before turning on power.
- **Pedal switch**. For foot controller or pedal switch connection. Allows foot control of Program up/down, hold, synth off, etc.
- **Guitar output** provides actual guitar sound signal.
- **Synth output** (L/Mono, R) provides synth sound, in stereo if digital reverb is on.
you are playing the synth instead of waiting for it to catch up.

So what makes Korg’s system so much more advanced?

Three big reasons are: (1) Parallel processing with dual microcomputers for pitch extraction and sound generation. (2) 16-bit microprocessor and custom LSI chip apply newly developed algorithm to derive each string’s precise pitch. (3) Waveform data from divided pickup is handled by high-speed analog-to-digital converter. You’ll notice the difference—no more time lag.

You can use your full range of playing styles. Tracking is maintained with slurs, note bending, damping, vibrato, arpeggios, tremolo arm, and other techniques. Your actual guitar articulation is translated into rich synthesizer sounds. When you add the Z3/ZD3 you simply multiply your expressive power.

**Let your creativity run wild—with 6-voice 128-sound presets built-in**

Piano, organ, strings, trumpet, vibes, and other simulated instrument sounds. Special effects and synthesizer timbres. All together you have a huge variety of high quality timbres to choose from. With 6-voice 128 preset internal sound sources and four digital oscillators per voice, you enjoy realistically high resolution sound quality for everything from delicate metallic percussion to fat analog bass. All these presets are custom designed for the Korg Z3/ZD3 synthesizer system.

Digital reverb is included to add spacious stereo ambience to your sound. Calibration is easily adjusted in 1Hz steps within a reference pitch range of 438Hz to 445Hz.

**Get off to a quick start with easy-to-use dual-mode operation**

No difficult settings. To use mode A you just hook up the Z3/ZD3 to your guitar and make your choices for six parameters [pitch bend, sense key, etc.]. These then apply to all six strings so all you have to do is choose from the 128 preset sounds and play your guitar.

Mode B offers four states—play, edit, patch play, and patch edit. This lets you create your own original settings. For example, you can give strings one, two and three a piano sound, while using the lower strings to trigger a bass sound. Patch play is great for live sets. It lets you arrange patches to match your song order. You can also send your preset and patch data as a MIDI exclusive message for storage in a MIDI sequencer like the Korg SQD-8.

Dual-mode operation satisfies professional needs without hampering the novice.

**A/B MODE**

Select A or B mode on rear panel before turning on power.

**MODE A:**

1. Sound select/internal presets 1-128
2. Octave up/down: transposes pitch
3. Reverb on/off: Reverberation on synth sound
4. Synth on/off: Turns synth sound on and off
5. Pitch bend on/off: for bending; off for sustained tone
6. Sense high/low: to low if needed to prevent mistriggering.

**MODE B:**

Two kinds of operation.

- **EDIT**
  - Set up timbre set patches. Memory holds 128 patches.

- **PLAY**
  - Outputs a timbre set from among 128 patches.
Your Right to Expressive Freedom.

Now there's a guitar synth that satisfies the real guitarist in you. Korg's new Z3/ZD3 gives you that true guitar feeling while opening up the exciting world of MIDI synthesis. Ultra-fast note tracking, built-in pro-quality preset sounds, easy operation, extensive MIDI functions, and many more outstanding specs — everything is devoted to increasing your performance potential. Discover how your own guitar can take you into new dimensions of sonic synthesis. Start exploring the incredible creative options that are now yours with the Z3/ZD3 from Korg.