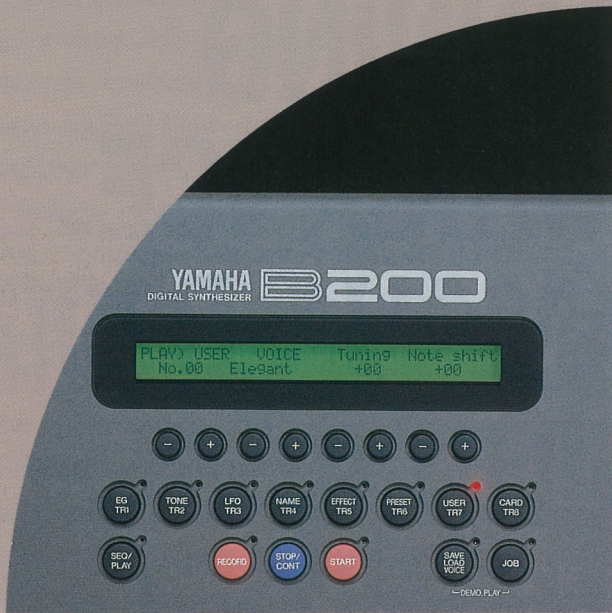


# B200

DIGITAL SYNTHESIZER



# YAMAHA

# STYLE WITH SIMPLICITY—AND STUNNING PERFORMANCE. THE YAMAHA B200 DIGITAL SYNTHESIZER.

Face reality.

Or immerse yourself in the realm of fantasy.

With hundreds of dynamic sounds at your command the moment you turn on the B200, you can have the best of both worlds. Amazingly authentic instrumental sounds. Luscious synthesizer voices. And unique sound effects. In short, an entire orchestra of sounds ideal for nearly any musical application.

Voices that shine with all the clarity of the original. Flutes and saxophones. Tubular bells and pipe organs. Synthesizer bass and bass drum. All convincingly accurate, all digitally precise, and all with astonishing depth and character.

The B200 has a specially hi-fidelity amplifier and speaker system, which provides clear and clean sound for all voices, even at high volume settings.

And the sonic beauty inside is matched by stylish elegance on the outside. Soft lines, contemporary design and all-in-one functions make the B200 a perfect complement to any interior.

*Imagine a musical instrument that is capable of recreating the wide variety of powerful and subtle sounds that exist in the natural world.*

*Imagine that it can also produce unique, other-worldly special-effect sounds.*

*Imagine being able to select from and play up to 300 of those sounds—instantly.*

*Imagine hearing those sounds in spacious stereo separation from a quality speaker system.*

*And imagine enhancing those sounds with a complete assortment of professional-quality effects, such as reverb, delay and distortion.*

*Imagine also having an eight-track recorder that captures your musical ideas. One that lets you change what you've recorded, easily and effectively. And one that plays back up to eight different sounds at the same time.*

*Finally, imagine that all of these capabilities are packed into one compact, attractive and highly portable unit.*

Now, stop imagining. And take a close look. This and more is precisely what you get with the Yamaha B200 Digital Synthesizer.

The Yamaha B200 Digital Synthesizer combines the functions of an entire recording studio's worth of equipment in its slim, sleek body. From its sophisticated sound generation system to its built-in stereo speaker system, the B200 has absolutely everything you need for music creation. As advanced as it is, however, the B200 is incredibly easy to play and use. You don't need to be a synthesizer programmer or recording engineer to get the most out of this instrument.

And because all functions and features have been included—right down to the amplifier and speakers—not a single piece of additional equipment is needed. No cords and wires to clutter up space. No complicated network of connectors and cables. No bother in setting up extra components. Just plug in and play.





## EDITING: Making Your Own Sounds

With the B200 and its advanced features, you have almost unlimited creative potential. All of the sounds of the instrument can be changed to your precise requirements. The powerful editing features of the instrument make this possible.

If you want a piano voice to be brighter, you can make it so. If you need a bell sound to sustain for a slightly longer time, you can change it. If you think a brass voice would sound better if it had more of a distorted tone, you can arrange that as well.

Since the B200 has one hundred voices that are built-in (and hundreds more available on specially prepared Memory Cards), and all of them available for editing and storage in the 100-voice User memory, you can begin to appreciate just how wide and varied the sound shaping potential of the B200 is.

### THE EASY EDIT BUTTONS

All this potential would mean nothing, though, if it weren't easy to use. That's why we designed the B200 to be as operationally simple as it is functionally advanced.

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The easy edit buttons make up the control center for the editing operations of the B200.

parts of the sound that relate to your selection are displayed on a large backlit LCD (liquid crystal display).

Simply press the indicator buttons just beneath the display to select and adjust each part of the sound. For example, you can make a voice sustain for a longer time by selecting EG, then pressing and holding the indicator button on the far right, just under "Release" in the display. That's all there is to it. The sound of the voice changes instantaneously.

And because of the logical operation layout and the large display, you're never more than a single button press away from the value you want to edit.

Let's take a quick look at one of the Easy Edit buttons and its functions.

### EG

EG stands for envelope generator. The term might sound complex but the principle is very simple.

Sounds that you hear have a beginning and an end. Between the beginning of a sound and its end, the volume and the tone will change. The EG feature of the B200 lets you set these changes. It allows you to control the time the sound takes to build up (Attack), the time it takes to decrease from its loudest or brightest point (Decay), and the time it takes to reach complete silence from after you let up on the key (Release).

With this feature, all the dynamic changes in natural sounds as well as unusually dramatic electronic effects can be reproduced easily and faithfully.

### EFFECT

The creative potential of the B200 extends to the wide range of built-in effects that can be applied to your sounds. Effects such as reverb, delay and distortion. The Effect feature lets you make your voices sound more natural, more authentic, more dynamic, more vibrant—in short, more professional-sounding—and it lets you do it with ease.

Name, Tone (for determining the sound character of a voice), and LFO (in which vibrato effects can be edited), round out the Easy Edit section of the B200. Together, with EG and Effect, they comprise the fastest and easiest-to-use voice editing system available today.



## FULL MIDI CAPABILITIES

The B200 is great as a stand-alone performer, but because of its extensive MIDI features, it also works wonders with other instruments. What is MIDI? MIDI is a "language" through which all kinds of digital musical equipment can communicate. MIDI enables instruments to control and be controlled by each other.

Through the magic of MIDI, you can play another synthesizer from the B200 and have both instruments sound together in a beautiful, rich layer. Different sections of the keyboard can be used to play different synthesizers. Or you can use the built-in sequencer to play a multiple-synthesizer setup—including rhythm machines—automatically, along with the voices of the B200. With MIDI and the B200, the music creation potential is as limitless as your imagination.

## RECORDING AND COMPOSING

The B200 takes you even further in your creative explorations with a built-in eight-track MIDI sequencer. With it, you can record your keyboard performances. And hear them played back with all their original subtle nuances. You can even arrange your songs in sections and layers, each with a different instrumental part, for richly textured music.

### THE MIDI SEQUENCER

What is a MIDI sequencer? Think of it as tapeless tape recorder. Unlike a tape recorder, which records sounds, a sequencer records information about what voices of the synthesizer were selected, what keys of the keyboard were played, and other important performance data.

There are many strong advantages in using a sequencer instead of a tape recorder. First, sequencer recordings have no sound deterioration or noise. Second, editing and recording over specific tracks can be done far more easily and effectively on a sequencer.

Moreover, the sequencer lets you take advantage of some powerful editing techniques that are simply unavailable on any tape recorder.

For example, if you've recorded a snare drum on one track of a tape recorder and want to change it to a cowbell, you would have to re-record the entire track. On the B200's sequencer, however, simply make the voice change at the beginning of the track and you're set.

And that's not all. The Erase, Copy, Delete, and Insert functions provide similar benefits. With these, you can "cut and paste" sections of your song and move them around freely. Put measures in wherever you want them. And throw measures away wherever you don't want them. Song writing and recording has never been faster or easier.

## WIDE-RANGING PERFORMANCE CAPABILITIES

Playing the B200 is much more than just a matter of pressing the keys of the keyboard. An entire assortment of performance controls are at your command for extraordinary expressive power.

The B200 is equipped with a Split Mode that makes it possible to set up two different sounds to be played from opposite sides of the keyboard.

Even more powerful, however, is the Multi Mode. Multi Mode operation lets you set up eight independent instrument voices to be played at the same time. Each voice can be assigned to a different part of the keyboard, or all voices can be "layered" together to create in thick, gorgeous textures of sound.

Program, for example, a monophonic bass voice to the lowest octave on the keyboard, with a piano voice in the next two-and-a-half octaves, and a trumpet voice at the top. Or set three different string voices to sound at the same time, for an unbelievably rich recreation of a full string section.



# SPECIFICATIONS

## B200

<b>Keyboard:</b>	61 velocity-sensitive keys with aftertouch
<b>Sound Source:</b>	FM (4-operator/8-algorithm), simultaneous 8 notes output
<b>Internal Program RAM:</b>	100 voice programs
<b>Internal Program ROM:</b>	100 voice programs
<b>External Memory:</b>	RAM/ROM card (32 kBytes), for programs (100 programs × 1 bank), for sequencer (to save 1 song bank to internal memory)
<b>Display:</b>	LCD: 40 characters × 2 lines
<b>Controls:</b>	Rotary Volume, Pitch Bend Wheel, Modulation Wheel
<b>Switches:</b>	SPEAKER ON/OFF switch (left panel)
<b>Left Panel Terminals:</b>	LINE INPUT L, R OUTPUT L/MONO, R PHONES CONT (for optional BC-1 or BC-2 Breath Controller)
<b>Right Panel Terminals:</b>	VOLUME (for optional FC-7 Foot Controller) SUSTAIN (for optional FC-4, FC-5 Foot Switch) MIDI THRU MIDI OUT MIDI IN
<b>Amp/Speaker System:</b>	5 cm tweeter × 2, 16 cm woofer × 2, 20 watts × 2 power amp
<b>Power Consumption:</b>	General model 220–240 V 50/60 Hz, 60 W US & Canada models 120 V 50/60 Hz, 60 W
<b>Dimensions (W × D × H):</b>	1,019 × 364 × 124 mm (40-1/8" × 14-1/4" × 4-7/8")
<b>Weight:</b>	14.5 kg (32 lb)

### Preset Voice List

00	Elegant	10	Soft String	20	Sunbeam	30	Fog	40	Piano 2	50	Guitar 1	60	E. Bass 1	70	Trumpet 1	80	Recorder	90	Zap
01	Soft Brass	11	Syn String 2	21	Shimmer 1	31	Husky Voice	41	E. Piano 2	51	Guitar 2	61	E. Bass 2	71	Tight Brass	81	Harmonica 1	91	Shwhap
02	Wide String	12	Rich String	22	Soft Cloud	32	Swirlies	42	Wire Brass	52	E. Guitar 1	62	Syn Bass 1	72	Trombone 1	82	Whistle	92	PoundWood
03	Cosmic	13	Syn Brass 1	23	Bamarimba	33	Husky Choir	43	Easy Clav	53	Harp 1	63	Syn Bass 2	73	Horn 1	83	Castanet	93	OilDrum
04	Large Pipes	14	Syn Brass 2	24	Sandarimba	34	Pluck Brass	44	Funky Clav	54	Koto	64	Syn Bass 3	74	Horn 2	84	Triangle	94	SynSnare
05	Syn String 1	15	Syn Brass 3	25	Float Chime	35	Angel Choir	45	Harpsichrd	55	Marimba	65	Syn Bass 4	75	Sax 1	85	Bell Tree	95	DragonHit
06	Folk Guitar	16	Breth Brass	26	Daybreak	36	Flute Voice	46	Vibe	56	Violin 1	66	Syn Bass 5	76	Sax 2	86	Referee	96	DrumHit
07	Piano 1	17	Soft Ens.	27	Tinkle	37	Small Pipes	47	Celeste	57	Cello 1	67	Nasal Lead	77	Oboe 1	87	Steel Drum 1	97	Warp
08	E. Piano 1	18	Warm Ens.	28	Sand Bell	38	E. Organ 1	48	Tube Bell	58	Cello Ens.	68	Solid Lead	78	Clarinet	88	Steel Drum 2	98	IceAge
09	Dist Guitar	19	Orches Ens.	29	Suspense	39	E. Organ 2	49	Music Box	59	Uprite Bass	69	Clari Lead	79	Flute	89	Ricochet	99	Encore

Specifications subject to change without notice.

# YAMAHA

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