

Chroma Polaris The Star To Follow.





# It Will Take You Where You Never Imagined You Could Go.

Finding a mid-priced synthesizer that suits your needs can be a real problem. Too often, you're making decisions based on tradeoffs. Accepting an instrument that gives you most of what you want. Rather than all of it. Enter Polaris:

A new direction. An extension of Chroma technology. A softwarebased, touch-sensitive, computercompatible instrument with multifunction switches.

#### The Heart Of a Star.

Polaris is a 6-voice, programmable polyphonic that outshines anything in or around its price class. You get a 61-note, velocity-sensitive keyboard, and an interactive polyphonic sequencer!

Each Polaris voice-channel has 2 VCOs, a voltage-controlled lowpass filter, a voltage-controlled amplifier, 2 envelope generators (ADSDR and ADR) and a low frequency sweep generator. You also get ring modulation and a noise generator.

The memory lets you store up to 132 voice programs internally. And because it's non-volatile, your long hours of work won't vanish when power is lost or turned off.

#### The Smart Star.

Polaris is the first of our Chroma-based synthesizers to come with our new Triad" computer interface. It lets Polaris store computer information internally and communicate that data to a host computer in non-real time.

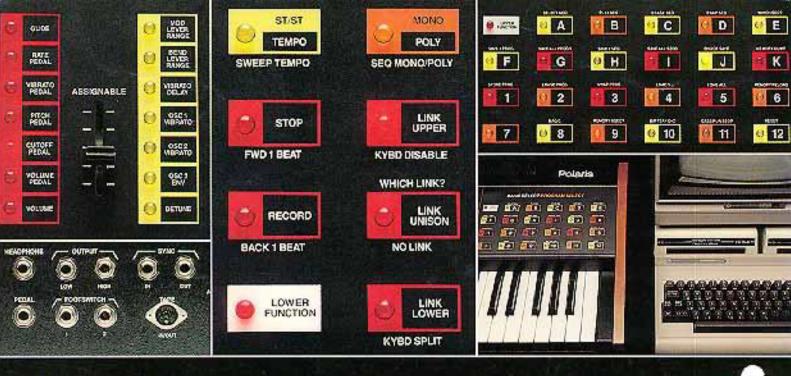
With Triad and your own personal computer you'll perform (and store) extremely long, complex,

multi-instrument compositions. Manipulate stored data and "mix" tracks. Change sequences. And do an incredible variety of musical tasks. Plus, Triad makes it easy to interface your Polaris to any Chroma instrument, today or in the future.

Software will be available for most of today's popular PCs (including Apple II Plus and IIe, Commodore 64, TRS-80 models 3

and 4, and IBM PC). And you'll find applications programs for voice programming; composition, recording and sequencing; instrument diagnostics: network communications: live performance aids; education and entertainment; and user-programming.

You get a standard cassette interface, too. Including a built-in verify mode to check data and store additional programs and sequences.



#### Fast, Flexible Control.

Because Polaris is softwarebased, you get very fast, very flexible operation.

Keyboard-splitting is fully programmable. With enough flexibility included to perform complex splits -like a 5-to-1 split with five sequencer-controlled voices and one played "live."

You'll control Polaris with 20 fully programmable sliders and 59 membrane switches. You'll always know exactly where you are because 60 LEDs report current status.

The membrane switches on Polaris serve dual functions. A few examples: you can select a cassette function or a stored program, split the keyboard or control the sequencer. You'll even find a switch called "Magic" that lets Polaris accept software updates when new features are introduced.

Polaris has the Chroma-pioneered Assignable Control slider that works with a menu of 14 functions. Giving you the flexibility and programming power you'd get from 14 separate sliders. But with the speed, efficiency and simplicity of single-slider operation.

The Envelope sliders give you another unique process for control. The two envelopes per channel are managed via 8 sliders. The first envelope provides separate sliders for attack, decay, sustain, sustain/decay and release. The special sustain/decay portion of the envelope makes use of the velocity-sensing keyboard to give you better control over acoustic-styled envelopes. You get far more natural-sounding decay characteristics and more touch-responsive sound.

### Interactive Sequencer.

Inside Polaris, there's our unique, interactive polyphonic sequencer. With it, you can store performance information. Pitchbend, modulation and velocity sensitivity are all stored in the sequencer memory.

You can also store up to 12 sequences in memory. And chain them together. You can make programming changes during sequences. And even create a kind of self-demo mode, playing along with sequences and changing them on the fly.

If you've ever tried to change (or even mildly adjust) tempo while playing, you know the problem. Unless you're playing Polaris.

On the back panel, you'll find inputs to the sequencer clock for syncing with rhythm units. A unique footswitch controller lets you input tempo information simply by tapping the footswitch. And you can change or adjust the tempo any time you like.

# Polaris. Your Creative License.

Polaris playability. It means quick, easy operation, flexible programming, sonic integrity and "feel."

So play a keyboard that's comfortably close to natural. That gives you a high degree of easily-managed touch control. So you can create those subtle nuances that will set your sound apart.

With Polaris, you'll take creative license with every song. Stretching out. Exploring new directions. Guided by this new star.

That's what the power of Polaris was designed to do. Try it. Put Polaris in front of you. Because when you really start to flex you creative muscles, Polaris will be the one vehicle that gets you where you want to go. And makes you very happy you've arrived.

### Specifications:

Memory: 16K RAM expandable to 64K. 32K ROM.

Dimensions: (L) 38.5; (W) 14; (H) 4.6;

Weight: 32 lbs.

Power Requirements: 120-130V AC/200-250V AC at 90 watts, 50-60Hz.

# Chroma

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