

## 360 Presents the Best Acoustic Instrument Sounds in the World.



Introducing a keyboard that doesn't synthesize its sounds – it duplicates real ones. Imagine strings with the rich sound that only the best acoustic instruments have. Now you can have them, and almost any other sound you can think of. We've recorded a whole catalog of instruments in the studio and stored them on digital memory chips. They're as real as the master tapes they're made from. Now you can cut your album, score your film, or perform live with some of the world's most impressive sounds.

The 360 Digital Keyboard is eight voice polyphonic, and holds up to thirty-two instruments. You can even play two instruments at once – two under each key, or divided by a player-selected split point. We've included vibrato and pitch bend wheels, filtering, and an expression pedal so your performance can really come alive.

Choose your favorite sounds for the

360 Keyboard at the time of purchase. Get as many or as few as you want; it's always expandable, and you can add new instruments yourself at any time. Check our current Available Instruments List to find out what's deliverable now.

The sound of the 360 Digital Keyboard is unlike any other because we use full-length notes (some are eight seconds long) with no looping, no audible transpositions and no synthesized envelopes. L.A.'s top session players are called for our sessions, and we engineer their performances under tightly controlled studio conditions.

But judge the sound yourself. Write for the name of your nearest dealer, or send \$3.00 for a demonstration cassette.

360 SYSTEMS  
18730 Oxnard Street #215  
Tarzana, California 91356  
(818) 342-3127

*360 Systems*

*Sounds already available or planned for the future include:*

Grand Piano • 18 violins/violas • Tympani, *fff* • Fiddle, country • String section, large • Violin, solo • 8 cello/double bass • Bass Viol, arco • Double bass, pizzicato • Slapped/popped funk bass • Guitar, steel string acoustic • Guitar, nylon string • Electric Guitar, lead • Electric Guitar, fuzz • Electric Bass, finger picked • Tack Piano • Electric Piano, FR • Electric Piano, DMP • Organ, HB3 • Harpsichord • Celeste • Clavinet • Marimba • Xylophone • Vibes • Trumpet, muted • Trumpet, soft & warm • Trumpet, bright solo • Flugelhorn • Trombone • Trombone, punches • Brass punches • Brass section • French Horn • Tuba • Bass Trombone • Baritone Sax • Tenor Sax • Alto Sax • Soprano Sax • Clarinet • Oboe • Oboe, staccato • English Horn • Flute • Alto Flute • Piccolo • Piccolo Trumpet • Banjo • Harmonica • Percussion, assorted • Calliope, out of tune • Singer, soprano • Male singers • Steel Drums • More to come •

Some selections on this list may not be available yet. 360 Systems reserves the right to delete or change any of the proposed sounds at its option, and without notice.

## Performance Features

**INSTRUMENT SELECT** buttons give instant access to every sound in your library.

**SPLIT** allows two instruments to be played at the same time, separated by a user-selected split point. For convenience, the last instrument selected always appears on the right side of the keyboard.

**SWAP** exchanges the right and left instruments, while preserving the split point.

**STACK** allows one instrument to be placed on top of another so that both will sound when a key is pressed. The stack mode can produce large ensemble sounds while playing with only one hand.

**TRANPOSE** will set any desired interval between two instruments. In the **SPLIT** mode, the most useful registers of each instrument can be placed on each side of the split. In **STACK**, any parallel harmony can be created including one or two octave displacements between instruments. A single instrument can also be transposed to play harmony with itself.

**DOUBLE** causes extra voices to produce the sound of over-dubbing the original instrument — with appropriate time and pitch errors.

**VARIABLE** allows future design ideas to be incorporated into existing keyboards. It's a shift key that can re-name any of the other buttons on the keyboard. More on **VARIABLE** later.

**BALANCE** controls the relative loudness of two instruments. In **STACK** mode, new textures and densities can be created by adjusting the blend. In **SPLIT** mode, a lead instrument can be made more prominent than the accompaniment.

**OUTPUT** is a stereo control, affecting the volume of both instruments at once.

**FILTER ASSIGN** buttons independently select filtering when two instruments are being played, to allow one to be muted while the other retains a solo or lead character. The filter button turns off whenever a new instrument is selected.

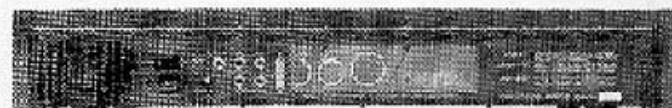
**FILTER FREQUENCY** brightens or darkens an instrument. It operates after a filter assign button has been selected.

**PEDAL MIX** allows a footpedal to control loudness, brightness, or both, in any proportion. Many instruments sound more lifelike when they become louder and brighter at the same time.

**PITCH BEND** is a standard wheel that can bend sharp or flat, with a dead band in the center position. For convenience, the maximum interval is set to precisely a whole step.

**VIBRATO DEPTH** is also a wheel, allowing easy control for solo performance.

**VIBRATO SPEED** appears on the left-hand control panel. **FINE TUNING** has a range of plus-or-minus a semitone. Intonation between individual notes is set by the computer, and cannot drift out of tune.



## Rear Panel Connections

**SUSTAIN:** Accepts a footswitch which acts like a piano sustain pedal.  
**FOOTPEDAL:** Allows control of dynamics, brightness, or both at once.  
**STEREO OUTPUTS** operate at line level (nominally 2 volt). When a single line is played, the image stays in stereo center. As additional keys are played, the stereo space becomes wider. Two instruments played at once start at the right and left, and fill in toward the center as more notes are played.

**MIDI INTERFACE** (Musical Instrument Digital Interface) connects other keyboards, polysequencers, drum machines, and personal computers to the 360 Keyboard. With MIDI they can play together from one keyboard, or stay synchronized when driven by a polysequencer.

## Technical Points

**WEIGHT:** 19.5 KG/43 lbs

**DIMENSIONS:** 13cm x 86cm x 55cm / 5 1/4" x 32" x 22"

**POWER:** 120 or 240 volts, 50/60 Hz, 50 watts

**MATERIALS:** Vinyl clad steel and solid hand-rubbed oiled walnut. Gold keyboard contacts. All IC's processed through MIL-883B high reliability screening.

18730 Oxnard Street #215  
Tarzana, California 91356  
(818) 342-3127



# PREISLISTE

## 360 SYSTEMS

Nattopreise für Tonstudios, Schulen  
und professionelle Verbraucher

Preise incl. MwSt ab Lager Bonn

1. Febr. 1984

### 360 SYSTEMS DIGITAL KEYBOARD, ohne Instrumente

DM 9.480,-

#### Instrumente:

Pop Collection: 12 Instrumente ( siehe unten )	Pop 1.48	DM	2.490,-
Scoring Collection: 10 Instrumente ( siehe unten )	Score 1.47	DM	2.490,-
Slapped/Popped Funk Bass, Roundwound	Fnk 3.8	DM	475,-
Flatpicked Bass, Roundwound Strings	Jaz 1.5	DM	340,-
Fingerpicked Bass, Dark Sound	Jaz 2.2	DM	200,-
Electric Guitar, Heavy Tube-Amp Dist.	EGit 5.4	DM	295,-
Lead Electric Guitar ( L.P. Twin Rev. )	EGit 7.6	DM	385,-
Flat Picked Electric Guitar ( Fen. Tel. )	EGit 8.8	DM	475,-
Grand Piano, 4-Octave mit Memory Board	GPno 1.48	DM	2.630,-
18 Violins/Violas mit Memory Board	HiStr 1.48	DM	2.630,-
8 Cello/Bass Viol	LoStr 1.20	DM	1.020,-
Saxophone, Baritone/Tenor/Alto	Sax 1.3	DM	250,-
Electric Piano, Bright	Rho 4.4	DM	295,-
Electric Piano, Mello	Rho 2.1	DM	160,-
Clavinet	Clav 1.5	DM	340,-
Flügelhorn	Fig 2.3	DM	250,-
Oboe, English Horn; Two Patches	Reed 1.5	DM	340,-
Vibas, Xylophone; Two Patches	Mal 1.6	DM	385,-
French Horn, Trombone, Trumpet & Piccolo Trumpet	Brass 1.10	DM	570,-
Flute/Nylon String Guitar/Electric Bass ( Jaz 1.5 ), Bass	Misc 2.12	DM	660,-
Page Two Memory Board	Mem 2.1	DM	795,-

Pop Music Collection: Flute, Nylon String Guitar, Bass ( Jaz 1.5 ), Slapped & Popped Funk Bass, Lead Guitar, Electric Piano, Clavinet, Sax, French Horn, Trombone, Trumpet, Piccolo Trumpet

Scoring Collection: 8 Cellos/Bass, Oboe, English Horn, French Horn, Trombone, Trumpet, Piccolo Trumpet, Flute, Nylon String Guitar, Electric Bass ( Jaz 1.5 )

Hiermit sind alle vorhergehenden Preislisten ungültig. Änderungen der Preise mit unmittelbarer Wirkung vorbehalten.

SYNTHESIZERSTUDIO BONN, MATTEN + WIECHERS GMBH  
FRANZSTRASSE 29, 5300 BONN 1, TEL.: (0228) 655165