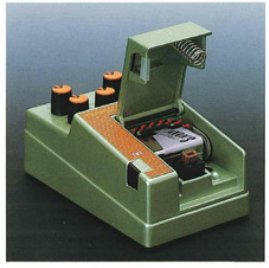
IBANEZ COMPACT EFFECTS MASTAR SERIES

Ibanez

Over the past ten years, Ibanez electronics has emerged as the premier leader in musical electronics. Our effects pedals with their FET silent switching and low noise circuitry set new standards for others to copy. Our UE series multi-effects were the very first multi-effects of that kind. Finally musicians could have a "custom like" setup in a reliable and affordable package. Our DM 1000 and HD1000 were revolutionary price/performance digital processing units.

This rich history has lead us to even higher roads this year. Our small effects have all been updated with a new case design, new internal circuitry and a new name-Master Series. We've also introduced digital electronics to the effect pedal market with the Digital Master Series.



Q-1 SILENT SWITCHING

The Q-1 silent FET switch gives reliable noise-free switching and a new sure-grip switchplate surface makes it easier to switch effects while playing.

QUICK CHANGE II BATTERY POCKET

The all new "Quick Change II" battery pocket provides easy "one touch" access to the battery from the top of the effect pedal. Now you can attach your pedals to a footboard and still change batteries easily, without the need for any tools.

It's a simple fact of nature — all things (and especially music) change. The rapidly evolving music industry is a challenge the player and listener must separate the creative music from the ordinary, and learn to appreciate it on its own terms. The player must make the music as interesting and challenging as possible, while integrating the rapid influx of high technology into his medium.

AS GOES THE MUSIC, SO GOES IBANEZ TECHNOLOGY....

Nowhere is this challenge better understood than at Ibanez. Any manufacturer who professes to be at "technology's edge" must listen carefully to the industry — the listener, the player and forward-thinking ideas with the latest technology available to create truly musical products that most liberates and stimulates the artistic drive in us all.

The new product line-up from Ibanez is a testament to that challenge. The Master Series Effect Pedals culminate years of research into pedal processing technology. Advanced circuitry makes possible powerful new digital pedals, and improves the performance of each member of the line. The new pedal package integrates form and function, making pedal processing effortless and reliable. The rear-entry jack design makes multi-connections neat and concise, and the "no-tools" battery access simplifies battery replacement. The Master Series from Ibanez will make you rethink about pedal processing.

But perhaps our greatest breakthrough is the new digital processing system from Ibanez. The IDPC (Ibanez Digital Processing Conversion) System is a proprietary digital conversion technique that provides superior performance in a pedal format. The IDPC is performed by a custom-design VLSI chip, for repeatable, reliable operation. That's why you can count on Ibanez for technical innovation that makes sense in the music world.

MASTAR SERIES DIGITAL EFFECTS

The Ibanez engineering team has spent the last ten years in research and development of digital electronics. This research has led to many breakthroughs in signal processing. The latest breakthrough is the Ibanez Digital Processing Conversion- IDPC (patent pending). This chip contains the Analog to Digital and Digital to Analog converters (A/D, D/A). This outstanding IDPC enables us to put rack-mount quality into smaller packages, such as the new Master Series Digital Effects.

DIGITAL STEREO CHORUS

Ibanez is proud to introduce the world's first digital chorus pedal. The DCL has 12 KHz bandwidth and low noise digital circuitry for a pure, crisp, chorus unlike any before. In addition to the usual width and speed controls, we've added a manual (or delay time) control for even more subtle chorus sounds. We've also added an effects level control for balancing between the dry and effect signal. For even more dimension, use the stereo outputs. Digital chorus from Ibanez... The latest breakthrough in advanced signal processing.

SPECIFICATIONS

• Delay Time	1 m sec to 8 m sec
• Bandwidth	12 KHz (+1, −3 dB)
• Sweep Speed Range	0.6 Hz to 6 Hz
• Total Harmonic Distortion	0.5% (Input 400 Hz −10 dBv)
• Equivalent Input Noise	−90 dBv (IHF-A)
• Power Requirements	DC 9 Volt/52 mA, 9 Volt Battery or AC-109 9 Volt AC-Adaptor
• Size	70 mm (W) × 125 mm (D) × 54 mm (H)
• Weight	420 g

DIGITAL DELAY

Over 900 milliseconds of crisp, clean digital delay have been packed into the DDL. Short and Long delay range modes may be selected and a fine tune control lets you zero in on exact delay times. The feedback control is used for multiple repeats and a balance control enables you to select how much dry signal is mixed with the effect. Let the infinete hold feature take you to new heights of expression as you play dusts with yourself. With these features and professional sound quality, you'll swear it's a rack unit.

SPECIFICATIONS

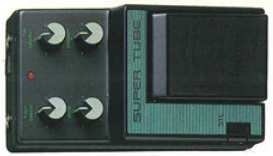
• Delay Time	14 m sec to 112 m sec/112 m sec to 900 m sec HOLD = 112 m sec to 900 m sec
• Bandwidth	7 KHz (+1, −3 dB)
• Total Harmonic Distortion	0.5% (Input 400 Hz −10 dBv)
• Equivalent Input Noise	−90 dBv (IHF-A)
• Power Requirements	DC 9 Volt/78 mA, 9 Volt Battery or AC-109 9 Volt AC-Adaptor
• Size	70 mm (W) × 125 mm (D) × 54 mm (H)
• Weight	440 g

DIGITAL FLANGER

When you're ready for the cleanest, quietest, best sounding flanger on the market, you're ready for the DFL. Advanced digital circuitry brings you astounding specifications like 12 KHz bandwidth, on 8 : 1 sweep ratio, 3 delay modes and whisper quiet operation. A feedback control provides for even deeper and more intense flanged effects. The DFL-Digital Flanger... True studio quality that's priced affordably.

SPECIFICATIONS

• Delay Time	Short: 0.5 m sec to 4 m sec Medium: 1 m sec to 8 m sec Long: 2 m sec to 16 m sec
• Bandwidth	12 KHz (+1, −3 dB)
• Sweep Ratio	1 : 8
• Total Harmonic Distortion	0.5% (Input 400 Hz −10 dBv)
• Equivalent Input Noise	−90 dBv (IHF-A)
• Power Requirements	DC 9 Volt/50 mA, 9 Volt Battery or AC-109 9 Volt AC-Adaptor
• Size	70 mm (W) × 125 mm (D) × 54 mm (H)
• Weight	430 g



STL SUPER TUBE

Distortion units have always had a problem in delivering a warm, tube-type sound. The STL Super Tube provides dynamics and eq that duplicate the way tubes sound when they are overdriven. Our new quasi-parametric eq boost is available for controlling the critical midrange: the very heart of great guitar sounds.

SPECIFICATIONS

- Input Impedance ..... 320K ohms
- Output Impedance ..... 10K ohms
- Maximum Output Level .... 0 dBv
- Maximum Gain ..... +42 dB
- Equivalent Input Noise ..... −110 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 430g. 0.9 lbs

SML SUPER METAL

Get your axe fired up for the hottest, heaviest distortion effect ever created. SML delivers more distortion, more filtering, more controls (5) and more raw gain (54 dB).
Drive controls the amount of distortion and LEVEL controls the overall output level. ATTACK gives a pre-distortion treble boost for more "bite" on the plucked portion of the sound. PUNCH controls the amount of bass boost or cut to simulate large amp attack and the EDGE control gives a post-distortion treble boost or cut for brightness.
Every amp becomes a raging attack even at low volume levels. Turn on the Super Metal and let your axe run wild!

SPECIFICATIONS

- Input Impedance ..... 400K ohms
- Output Impedance ..... 10K ohms
- Maximum Output Level .... 0 dBv
- Maximum Gain ..... +62 dB (1 kHz)
- Equivalent Input Noise ..... −116 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 450g. 1 lbs

BCL BI-MODE CHORUS

The Ibanez BCL Bi-Mode Chorus is the first chorus effect of it's kind. It combines two individual sweep sections with the famous Ibanez chorus sound for dazzlingly unpredictable chorus movements.
Modulator "A" may be used for true vibrato, high speed pitch bends, and high range chorus sweeps. Modulator "B" may be used for the lush chorus sound that made Ibanez famous. Use both modulators together and step into the extraordinary. Adjust each sweep for symetrical sweeps or complex patterns that seemingly never repeat.
Explore the world of stereo chorusing as Ibanez takes it one step further with the Bi-Mode Chorus.

SPECIFICATIONS

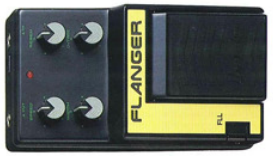
- Input Impedance ..... 350K ohms
- Output Impedance ..... 10K ohms
- Maximum Input Level ..... +4 dBv
- Gain ..... 0 dB
- Delay Time ..... 4 ms — 9.3 ms
- Speed Range ..... Speed A 0.8 Hz — 8 Hz Speed B 0.3 Hz — 3 Hz
- Equivalent Input Noise ..... −99 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 450g. 1 lbs

BPL BI-STAGE PHASER

Phasing effects have been around for some time now with very little change in design. Ibanez' introduction of the Bi-Stage Phaser has changed all that.
A phaser uses phase shift networks to create "peaks" and "notches" in the signal response. When the amount of phase shift is changed, the notches and peaks move or sweep.
Our exclusive Bi-Stage switch lets you select the 6 stage phase shift mode for a mellow swirling sound, or the 10 stage mode for the richest, deepest phasing sound possible. Phasing moves into the '80's and beyond with the BPL- Bi-Stage Phaser.

SPECIFICATIONS

- Input Impedance ..... 420K ohms
- Output Impedance ..... 10K ohms
- Maximum Input Level ..... +10 dBv
- Gain ..... 0 dB
- Speed Range ..... 0.04 Hz — 10 Hz
- Equivalent Input Noise ..... −81 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 450g. 1 lbs.



FLL FLANGER

Flanging uses short time delays to produce a tone-filtering effect. When these short time delays are varied and mixed with the dry signal, the melodic sweeping effect of flanging is produced.
The all new FLL flanger delivers rich, smooth flanging sounds with complete control. Four knobs let you control delay time, width, speed and feedback for the widest array of flanged effects.

SPECIFICATIONS

- Input Impedance ..... 450K ohms
- Output Impedance ..... 10K ohms
- Maximum Input Level ..... +3 dBv
- Gain ..... 0 dB
- Delay Time ..... 1 ms — 12.3 ms
- Speed Range ..... 0.03 Hz — 10 Hz
- Equivalent Input Noise ..... −93 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 440g. 1 lbs

CPL COMRESSOR/LIMITER

If you're looking for that controlled "sweet sustain" or "tight dynamics", then the CPL is the right choice. We've redesigned the VCA circuit to give deep compression and sustain without added noise or distortion. In fact the CPL's noise specifications rival that of rack-mount compressor limiters costing considerably more. The CPL gives you complete control over attack time, threshold and output level for a wide range of effects.

SPECIFICATIONS

- Input Impedance ..... 400K ohms
- Output Impedance ..... 10K ohms
- Maximum Input Level ..... −10 dBv
- Maximum Output Level ..... −10 dBv
- Attack Time ..... 6 ms — 20 ms
- Compression Range ..... 35 dB
- Equivalent Input Noise ..... −107 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 430g. 0.9 lbs

AFL AUTO FILTER

An exciting effect that has yet to be fully explored, the Auto Filter offers a seemingly endless array of sounds.
The Auto Filter uses automatic "wah-wah" type sliding filters that are triggered by the input level. It has two selectable filter types, two slide directions and two slide ranges. The Sensitivity control adjusts the input triggering threshold and the Peak control determines the slide width.
From a controlled "wah" to synthesized brass, the AFL- Auto Filter can make your sound truly unique.

SPECIFICATIONS

- Input Impedance ..... 600K ohms
- Output Impedance ..... 10K ohms
- Filter Frequency ..... Low Range 100 Hz — 2 KHz High Range 200 Hz — 4 KHz
- Equivalent Input Noise ..... −90 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 430g. 0.9 lbs

PQL PARAMETRIC EQ

When you need to select an exact frequency for equalization, the PQL puts you in complete tonal control. A mid frequency control is infinitely variable between 75 Hz and 5.6 KHz, and our new "Q" control, controls the width of the mid frequency from 1.7 to 6.6 octaves. Fixed high and low shelving type filters along with the mid frequency level slider offer up to 15 dB of boost or cut at each respected frequency. This makes the PQL-Parametric EQ the most versatile parametric equalizer pedal available.

SPECIFICATIONS

- Input Impedance ..... 400K ohms
- Output Impedance ..... 10K ohms
- Low Range Frequency ..... 75 Hz
- Middle Range Frequency ... 75 Hz — 5.6 KHz
- High Range Frequency .... 5.6 KHz
- Control Range ..... ±15 dB
- Equivalent Input Noise ..... −89 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 440g. 1 lbs

GEL GRAPHIC EQ

For great tonal control in an easy to use package, the GEL is just what you need. Seven bands of equalization from 100 Hz to 6.4 KHz offer up to 15 dB of boost or cut. The level slider allows the signal level to be adjusted without disturbing the filter settings for precise level matching.
The GEL- Graphic EQ is easy to use to modify the sounds of instruments and other signal processors as well as controlling feedback squeals.

SPECIFICATIONS

- Input Impedance ..... 300K ohms
- Output Impedance ..... 10K ohms
- Maximum Input Level ..... +4 dBv
- Maximum Output Level .... +2 dBv
- Frequency Bands 100, 200, 400, 800, 1.6K, 3.2K, 6.4kHz
- Filter Control Range ..... 15 dB Boost or Cut
- Level Control Range ..... 15 dB Boost or Cut
- Equivalent Input Noise ..... −99 dBv (IHF-A)
- Power Supply ..... One 9 Volt Battery or external AC adaptor (9V)
- Size ..... 125(D)×70(W)×54(H) mm 4.9(D)×2.8(W)×2.1(H) inch.
- Weight ..... 460g. 1 lbs

EBL5 EFFECTS BOARD

Holds up to five Ibanez Master Series compact effects pedals. Heavy duty high impact ABS plastic and aluminum construction. Comes complete with all internal connecting cables for five effects units. Rack-mountable with included rack-mounting ears.

DC4 DC CORD

DC4, DC distorbution cable for 4 Master Series Effects.

AC109 AC ADPTER

AC109 (AC adapter for Master Series Effects)

CN104

Color connection cable set for Master Series
4 inch (10 cm) × 4 pcs.

CN404

Color connection cable set for Master Series
1-1/4 feet (40 cm) × 4 pcs.

IBANEZ COMPACT EFFECTS MASTAR SERIES

IBANEZ ELECTRONIC ACCESSORIES SOLD AND SERVICED BY

SOUND INNOVATION
Ibanez