

IBANEZ & TAMA

Electronic Products

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Ibanez
TAMA



DUE 400

Ibanez

POWER

DIGITAL MULTI-EFFECTS

IBANEZ DIGITAL MULTI-EFFECTS

INTRODUCTION

It was a pretty revolutionary idea back in 1979 when we introduced the world's first multi-effect unit. Since that time the UE400 has had many updates and changes, always improving it for the musicians who use it. As we enter into the world of advanced digital electronics, Ibanez is still leading the way with the introduction of our new "Digital Multi-Effects".

DUE400



The DUE400 is the ultimate choice in professional rack-mount effects. Four of the most popular effects have been mounted in a single rackspace (1 3/4") unit. These aren't just any effects, but the finest effects available.

A 900ms Digital Delay, Digital Chorus/Flanger with 12KHz bandwidth and an 8:1 sweep, compressor/limiter with new VCA and the most awesome Super Metal Distortion combine to create the most powerful effects processor available. The phrase "studio quality" has often been misused, but the DUE400 gives new meaning to that term.

In order to give complete control of the DUE400, we've added programability, and a MIDI interface for control of up to 128 programs.

SPECIFICATIONS

- Comp/Limiter
Compression range: -50dBm to -12dBm
- Super metal distortion
Maximum gain: 54dB
- Digital Chorus/Flanger
Delay Time: Chorus = 2mSec to 16mSec
Flanger = 1mSec to 8mSec
 - Bandwidth: 12KHz
- Digital delay
Delay Time: 14mSec to 112mSec
112mSec to 900mSec
Hold Time: 112mSec to 900mSec
Bandwidth: 7KHz
- Overall
Input impedance: 500Kohms (Input/Effects receive)
Output impedance: Less than 1Kohms
(Output/Effects send/Sub output)
Dimensions: 482mm (W) X 265mm (D) X 44mm(H)
Weight: 3.6Kg
Power Requirement: 120Volts AC or 220-240Volts AC/
50 to 60Hz 17W

IFC60



The Ibanez "Intelligent Foot Control System" gives you complete footswitch control of the DUE400. Any of the 128 programs can be selected through the digital communication of the IFC60 footswitch. A three digit LED display indicates program selection right on the footswitch where it's easy to see.

SPECIFICATIONS

- Program Change: 0 to 127
- Channel: 1 to 16
- Display: Bank = 0 to 12. Patch = 0 to 9
- Memory Number: 0 - 127
- Dimension: 454mm (W) X 112mm (D) X 44mm (H)
- Weight: 1.4Kg
- Cable: 5m 1pc

DUE300



For musicians who don't require programability, or a rack-mount set up, the DUE300 is the hot choice. Three professional effects, Digital Delay, Digital Chorus and Super Metal Distortion, are packaged in a compact, easy to use floor system.

Each effect can be switched on or off individually and a master switch gives overall switching. LED's indicate each effect's status and professional specifications insure quality.

SPECIFICATIONS

- Super Metal Distortion
Maximum Gain: 54dB
- Digital Chorus
Bandwidth: 12KHz
Delay Time: 2mSec to 16mSec
- Digital Delay
Bandwidth: 7KHz
Delay Time: 14mSec to 112mSec
112mSec to 900mSec
Hold Time: 112mSec to 900mSec
- Overall
Input impedance: 500Kohms (Input/Effects receive)
Output impedance: Less than 1Kohms
(Out/Inv out/Delay out/Effects send)
Dimension: 390mm (W) X 190mm (D) X 70mm (H)
Weight: 2.8Kg
Power requirement: 120Volts AC or 220-240Volts AC/
50 to 60Hz 7.5W

EPP400



The EPP400 Effects Patching Programmer is the first digital patch bay of it's kind. Now you can patch in up to five effects, and program any patching order as well as on/off status. Up to 128 different programs can be stored for later recall. The optional IFC60 remote foot controller can also be used for complete foot control of all 128 programs or use the MIDI interface for remote program selection from any MIDI out unit.

SPECIFICATIONS

- Input impedance: 500Kohms
(Input-1/Input-2/Receive-1, Receive-2, Receive-3, Receive-4, Receive-5/Sub receive-3, Sub receive-4 Sub receive-5)
- Output impedance: Less than 1Kohms
(Output-1/Output-2/Sub output/Send-1, Send-2, Send-3, Send-4, Send-5)
- Dimension: 482mm (W) X 265mm (D) X 44mm (H)
- Weight: 3.3Kg
- Power requirement: 120Volts AC or 220-240VoltsAC/50 to 60Hz 14W

IBANEZ NEW COMPACT "MASTER" SE

Over 10 years of research and development has lead to many new developments in digital electronics. 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). The outstanding IDPC enables us to put rack-mount quality into smaller package, such as the new Master Series Effects.

Digital Delay DDL



Over 900 milliseconds of crisp, clean, digital delay have been packaged into the DDL. Short and long range delays are possible with unlimited control of delay time, repeats and balance between dry and delay signal. Let the infinite hold feature take you to new heights of expression as you play duets with yourself. With these features and professional sound quality, you'll swear it's a rack unit!

SPECIFICATIONS

- Delay time: 14mSec to 112mSec/112mSec to 900mSec/
HOLD 112mSec to 900mSec
- Bandwidth: 7KHz
- Equivalent input noise: -90dBm
- Power requirement: DC9Volts/S-006P 9Volts Battery 1pc.
or AC-109 9Volts AC-Adaptor 1pc.
- Size: 54m (W) X 70mm (D) X 125mm (H)
- Weight: 440g

Digital Chorus DCL



Ibanez is proud to introduce the world's first digital chorus pedal. Like the DFL, the DCL has 12kHz bandwidth and low noise digital circuitry for a pure, crisp, chorus unlike before. Speed, Width, Manual (delay time), Effect Level and Stereo outputs, give complete control for precise effect settings.

SPECIFICATIONS

- Delay Time: 2mSec to 16mSec
- Bandwidth: 12KHz
- Sweep speed range: 0.6Hz to 6.0Hz
- Equivalent input noise: -90dBm
- Power requirement: DC9Volts/S-006P 9Volts Battery 1pc. or
AC-109 9Volts AC-Adaptor 1pc.
- Size: 54mm (W) X 70mm (D) X 125mm (H)
- Weight: 440g

Digital Flanger DFL



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 specs like 12KHz bandwidth, 8:1 sweep ratio, 3 delay modes and whisper quiet operation.

SPECIFICATIONS

- Delay time: 0.5mSec ~ 4mSec/1mSec ~ 8mSec/2mSec ~ 16mSec
- Bandwidth: 12KHz
- Sweep ratio: 1:8
- Equivalent input noise: -90dBm
- Power requirement: DC9Volts/S-006p 9Volts Battery 1pc. or
AC-109 9Volts AC adaptor 1pc.
- Size: 54mm (W) X 70mm (D) X 125mm (H)
- Weight: 450g

STL



The Ibanez Super Tube provides dynamics and EQ that duplicate the way tubes sound when they are overdriven. A quasi-parametric EQ boost is available for controlling the critical midrange: the heart of great guitar sounds.

SML



Get your axe fired up for the hottest, heaviest distortion effect ever created. SML delivers more distortion, more filtering, more controls and more raw gain. Every amp becomes a raging stack even at low volume levels. Turn on the Super Metal and let your axe run wild!

BCL



Explore the dazzling world of stereo chorusing as Ibanez takes it one step further with the BCL. Two modulation LFO's instead of the normal one create effects that were previously unattainable. The first LFO sweeps at a fast rate while the second one sweeps at a slow speed. This enables asymmetrical sweep, fast vibrato, pitch bending and shimmering ensemble effects.

BPL



Phasing effects have been around for some time now with little change, until the introduction of the Bi-stage Phaser. Our exclusive Bi-stage switch lets you select the 6 stage 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.

FLL



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.

CPL



If your looking for that controlled "sweet sustain" or tight dynamics, the CPL is the right choice. We've redesigned the VCA circuit to give deep compression and sustain without added noise or distortion. The CPL lets you control the attack time, threshold and output level for a wide range of effects.

AFL



An exciting effect that has yet to be fully explored, the AFL offers a seemingly endless array of sounds. From a controlled "wah" to synthesized brass, the Auto Filter can make your sound truly unique.

PQL



When you need to select a particular frequency for equalization, the PQL puts you in complete tonal control. A mid frequency control is infinitely variable between 75Hz and 5.6KHz, and our new "Q" control, controls the width of the mid frequency from 1.7 to 6.6 octaves. This makes the PQL the most versatile parametric equalizer pedal available.

GEL



For great tonal control in a small, easy to use package. The GEL is just what you need. Seven bands of EQ (100Hz to 6.4KHz) offer up to 15dB of boost or cut. A level slider provides 15dB of boost or cut for precise level matching.

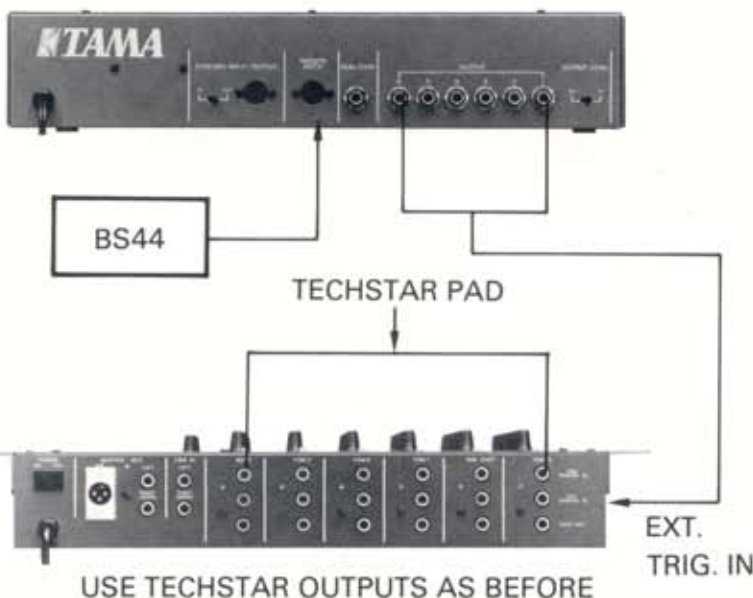
CN104 Effects Patch Cables 10cm X 4pcs, (4 colors)

CN404 Effects Patch Cables 40cm X 4pcs, (4 colors)

TECHSTAR ELECTRONIC DRUMS

TAMA proudly introduces the new additions to the growing family of TECHSTAR Electronic Drum Systems. Consistent with TAMA's design/growth philosophy, the new TECHSTAR products make the existing product line more complete, not obsolete! Your present TECHSTAR system is now augmented with powerful new tools that expand your capabilities for electronic expression in real-time and studio applications. We invite you to explore the dynamically expanding world of TECHSTAR — strength and harmony through planned technological growth.

TSQ1000 Drum Sequencer

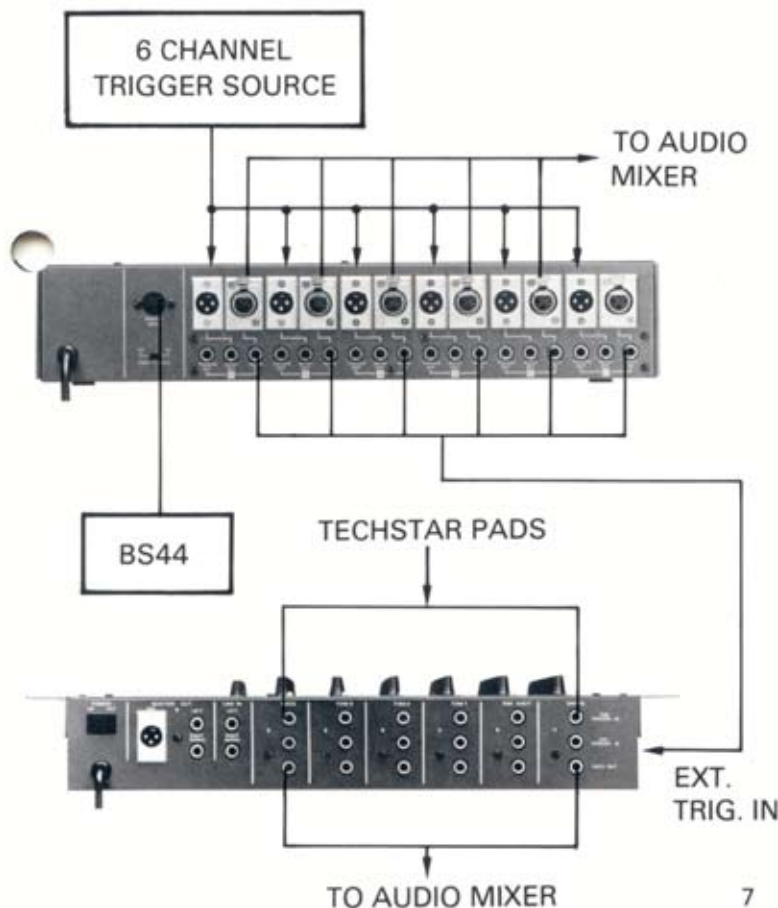


The TSQ1000 is a 6-channel programmable drum sequencer that lets you create and store your own drum patterns, and play on top of the patterns in real time! Control up to six separate voices from your TS305, TS306, or TS200 Series Voice Modules, or other voice modules, with any one of 32 programmable patterns. The TSQ1000 permits you to use the TECHSTAR pad set to "layer" more sounds on top of the patterns, using the same Voice Module. The optional BS44 Bar Switch lets you change patterns at will by merely hitting it with a drum stick. The TSQ1000 displays all important information for programming and playback. Conveniently rack mountable, the TSQ1000 easily fits into any electronic system. The TSQ1000 DRUM SEQUENCER — add the excitement and convenience of automation without losing your live, personal sound!

SPECIFICATIONS

- Program pattern: 8 Bank X 4 Patch = 32 Pattern
1 pattern, maximum 4 bars program
- Step: Maximum 64 steps/1 pattern
- Sequence Channel: 6 Channel
- Front: Run/Stop Key, Clear Key, Mode Key (Play/Write), Patch Key (1—4), LED Display (Bank, Patch, Inst), Step Key & LED (12/16, 24/32, 36/48, 48/64) Bank Key (1—6/16 step, 7—8/12 step) Inst Key (1—6), Accent Key, Step Key (1—16), Tempo control (= 40 to 300), Accent Control
- Rear: Trigger output level switch (15V/5V)
Output jack (6), Run/Stop jack
Remote patch connector, Sync connector, Sync In/Out switch
- Power Requirement: 120V AC 60Hz 11W
220V AC to 240V AC 50Hz 13W
- Size: 482mm (W) X 88mm (H) X 184mm (D)
- Weight: 3.15 kg

TTB1000 Trigger Bank



The TTB1000 TRIGGER BANK is an extremely versatile 6-channel trigger interface that triggers any TECHSTAR Voice Module from acoustic drums, drum machine, keyboard, tape machine, or other audio or trigger source. Each channel accepts inputs from any XLR or Phone jack source, creates a suitable trigger output for your TECHSTAR Voice Module, and provides the input as an "audio" output (through an XLR and phone jack output). Additionally, the TTB1000 lets you select a mix of "studio" or TECHSTAR outputs, or either "audio" or TECHSTAR outputs alone. The optional BS44 Bar Switch lets you select your outputs in real time with your drum stick. Switchable input levels and trigger output levels allow the TTB1000 to perform perfectly in any electronic system. The TTB1000 TRIGGER BANK — the ideal interface.

SPECIFICATIONS

- Interface: 6—channel
- Input sensitivity: Mic -50dBm to -10dBm
Line -20dBm to +20dBm
- Input impedance: Mic 47Kohms
Line 100Kohms
- Output Trigger Level: Select 15V or 5V
- Front: Trigger LED, Input switch (MIC/LINE) Input sensitivity, Mode switch (BOTH, TRIGGER, AUDIO)
- Rear: Audio input (XLR & 1/4—phone)
Audio output (XLR & 1/4—phone)
Trigger output (1/4—phone) Remote (Mode) connector
Trigger output level switch (15V/5V)
- Power requirement: 120V AC 60Hz 10W
220V AC to 240V AC 50Hz 12W
- Size: 482mm (W) X 88mm (H) X 182mm (D)
- Weight: 3.6 kg

TECHSTAR ELECTRONIC DRUMS

TDA60 60W Drum Amp



At last! An amplifier/monitor system specifically designed for electronic drums! The TDA60 DRUM AMPLIFIER combines a high-headroom 60-watt amplifier with a heavy-duty 2-way speaker system for a punchy, wide frequency range, with dynamic range reproduction system. The TDA60 may be used as a personal drum monitor and as a live or practice amp that outs through in any situation. The TDA60 features two inputs with individual volume controls, two-band active equalization, master level, control, peak power display and line-level output for use with PA's, recording studios and other reproducers. The speaker system features a 12" woofer in a bass-reflex enclosure and separate high output tweeter for smooth response with power and presence. The TDA60 DRUM AMPLIFIER — the perfect answer to a growing need.

SPECIFICATIONS

- Output power: 60W (8ohms, THD 8%)
- Speaker: Woofer 12", 30cm (8ohms)
Tweeter (8ohms)
- Input (CH1/CH2): 100kohms, -19dBm
- Line out: -20dBm (60W)
- Power Requirement: 120V AC, 60Hz, 78W
220V-240V AC, 50Hz, 54W
- Dimensions: 440 (W) X 610 (H) X 335 (D) mm
- Weight: 21.3Kg

RDS 900 & 800



RDS800



RDS900



The RDS800 and RDS900 RACK DISPLAY STANDS are strong, convenient and low-cost rack system designed for displaying and using TECHSTAR Electronic Drum Systems. Ideal for store, studio, home and road use. The RDS800 and RDS900 keep your system safe and organized. The RDS800 features an angled design for easy access sitting or standing, and the RDS900 is straight for setting or permanent installations. Both are constructed of heavy-grade steel for years of reliable service.



- TS50 BAG For Bass Drum Pad (1pc.)
- TS20 BAG For Tom Tom Pad (2pcs.)
- TS10 BAG For Tom Tom Pad (1pc.)