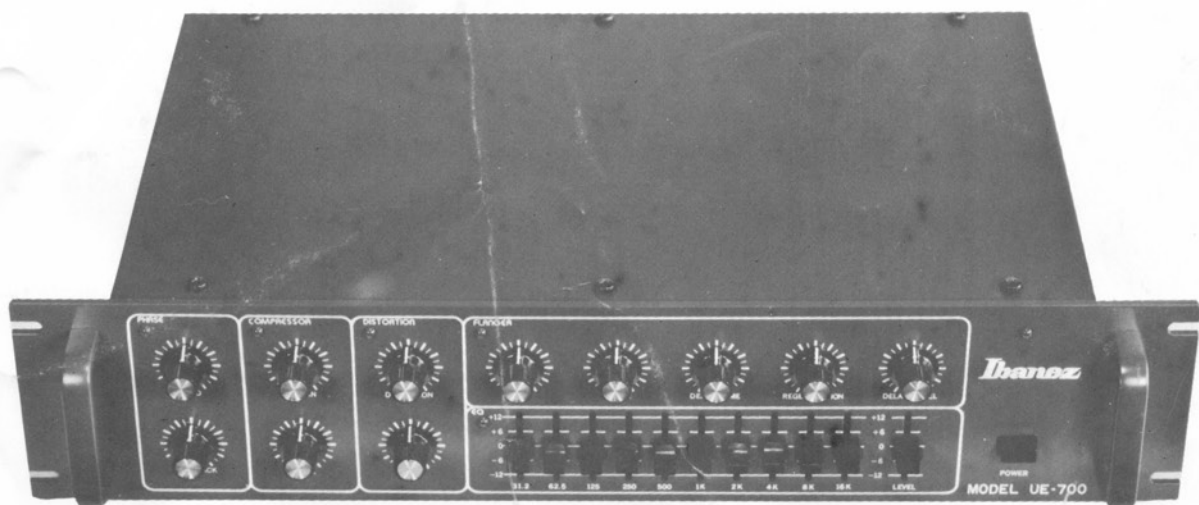


IBANEZ MULTI EFFECTER UE-700



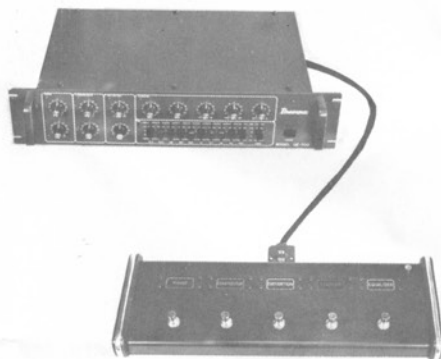
Five separate effect pedals, a rat's nest of patch cords, and a handful of batteries that are scheduled to go dead in the middle of a solo. We've all been faced with the frustration of this archaic set-up. The performing musician needs a sensible way to handle the multitude of effects available to him.

Enter the Ibanez Multi-Effects Unit and goodbye to those problems. The Ibanez Multi-Effects Unit (UE-700) is designed for the traveling pro to provide the best possible effects in a rugged, compact, dependable and rack mountable package. Combined with an illuminated and color coded footswitch panel, the UE-700 represents the state-of-the-art in handling multiple effects.



Some of the many features of the UE-700 are.

- **Five in one;** Five of the most common and most popular effects in one. Phaser, Compressor, Distortion, Flanger and 10-band Equalizer, all connect internally.
- **AC power;** All the effects operate on a regulated, ripple free power supply for consistency of effect.
- **Rugged Construction;** Heavy-duty audio cabinet and extended service pots, jacks, cables, switches.
- **Rack Mountable;** Standard 19" rack mount is compatible with most audio gear.
- **Remote footswitch;** The heavy duty footswitch panel is illuminated and color coded, so there's no guessing which effect is on or off. The multi-conductor cable connects to the unit, eliminating a mass of cables.
- **Versatile Input/Output capability;** High impedance inputs are located on the back of the unit and on the footswitch panel. Hi and balanced low impedance outputs are provided for compatibility with any type of system.
- **Quality;** Ibanez effects are known for both their quality of construction and quality of sound.



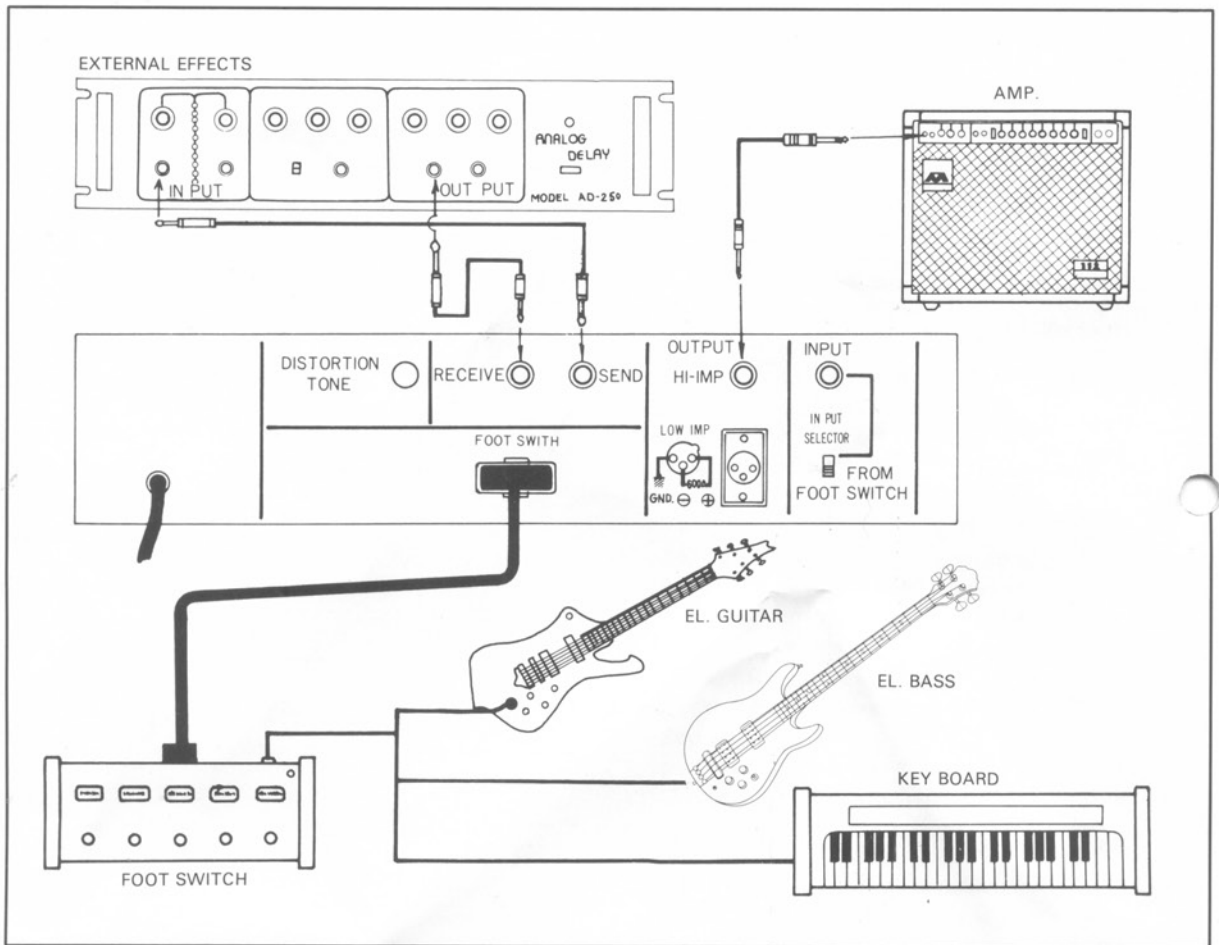
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OPERATING PRECAUTIONS

TO PREVENT ANNECESSARY PROBLEMS AND MAINTAIN BEST PERFORMANCE, READ THIS BEFORE OPERATING.

- Power Supply: 117VAC (T-TYPE) or 220~240VAC (R.U & S-TYPE)
- Operate unit only if temperature is within the range of 0°C (32°F) to 40°C (104°F).
- The UE-700 is constructed from precision parts. Do not allow liquids or other contaminants in contact with the unit.



OPERATING INSTRUCTIONS

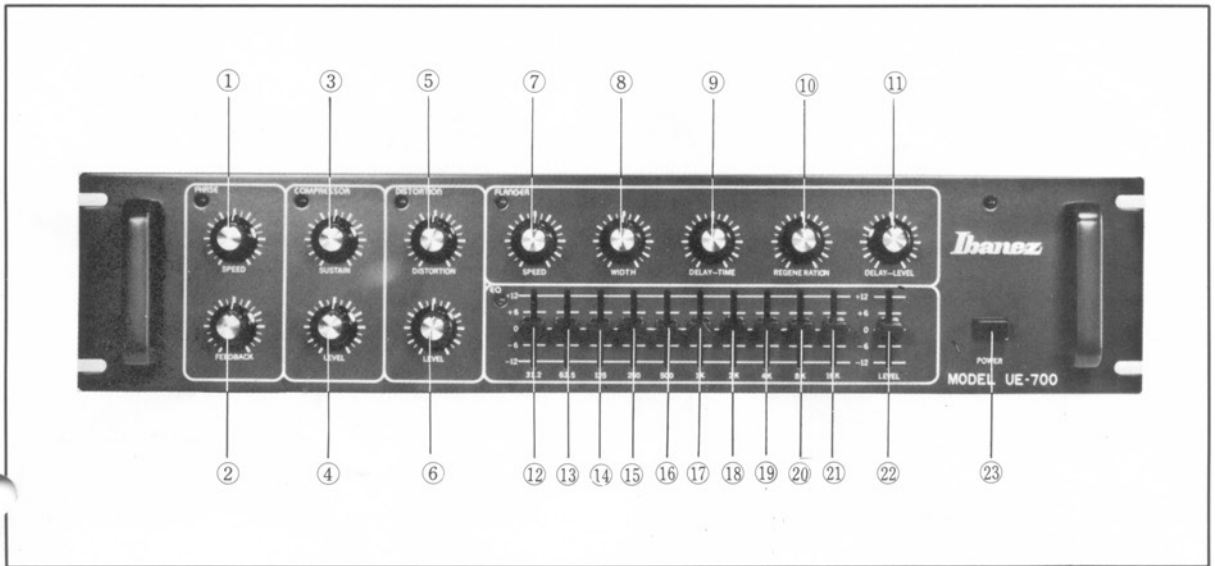
The UE-700 is designed to be compatible with most any musical application you might normally encounter. It is quite unique in that it offers you the option of plugging your instrument directly into the footpedal and having only one multi-conductor cable connect your setup with the front of the stage.

The Ibanez UE-700 is also compatible with unitized or component amplification systems. With more professional players going to separate pre amp, power amp, speaker set ups, the need for compatible effects is very apparent. The Multi-Effects Unit also features balanced low impedance as well as high impedance outputs. This allows the player to send a post-effect signal to the mixing board, for either the monitor or house mix or both, without disturbing his on stage set up.

The UE-700 also features an external effects send/receive loop for connecting any number of other effects in series. If other rack mounted effects are used, the entire setup can be permanently connected in the rack for ease of setup and breakdown.

The above diagram shows the inputs and outputs and their general function and is fairly self explanatory.

FRONT PANEL CONTROLS



The front panel of the Ibanez UE-700 is graphically divided into five sets of effects controls. All the controls are designed to be far reaching so that nearly any desired sound can be obtained. Some of the effects feature level controls which give the player control over the overall level when the particular effect is engaged.

There are six LED's (light emitting diodes) on the front panel. One indicates that the unit is on and the other five indicate when each individual effect is in the circuit.

1) Phase Speed - Controls the speed of the phase shift. Turning the control clockwise increases the speed.

2) Feedback - Controls the amount of phase shifted signal reintroduced to the input of the phaser. This results in "re-phasing" of the signal and a very bold and deep sweep. Turning the control clockwise increases the amount of signal fed back into the phaser.

3) Compressor Sustain - Controls the threshold of compression. Turning the control clockwise increases the amount of gain reduction of high level signals and gain increases of low level signals.

4) Level - Controls the output level of the compressor. May be adjusted to reduce or increase the overall level when the compressor is used.

5) Distortion - Controls the clipping level of the distortion unit. Turning the control clockwise increases the amount of distortion.

6) Level - Since the amount of distortion will have an effect of the apparent loudness of the signal, a level control is included to adjust the level to the desired point.

NOTE: There is a "Distortion Tone" control located

on the rear panel which can be adjusted to provide a sharp edge nellow tone to the distorted signal.

7) Flanger Speed - Controls the speed of the flanger sweep. Turning the control clockwise increases the speed.

8) Width - Controls the bandwidth of the flanged frequencies. In the counterclockwise position, a narrow band of frequencies is effected. At full clockwise, a very wide band of frequencies is flanged.

9) Delay Time - Since the flanger uses time delay to achive a notch filtering effect, the amount of time delay will effect the frequency band altered by the flanger. The flanger in the UE-700 features an adjustable delay time so that effect such as flanging the highs without effecting the lows and vice versa are possible.

10) Regeneration - Controls the amount of flanged signal fed back into the input of the flanger. This "re-flanging" adds depth and presence to the effect.

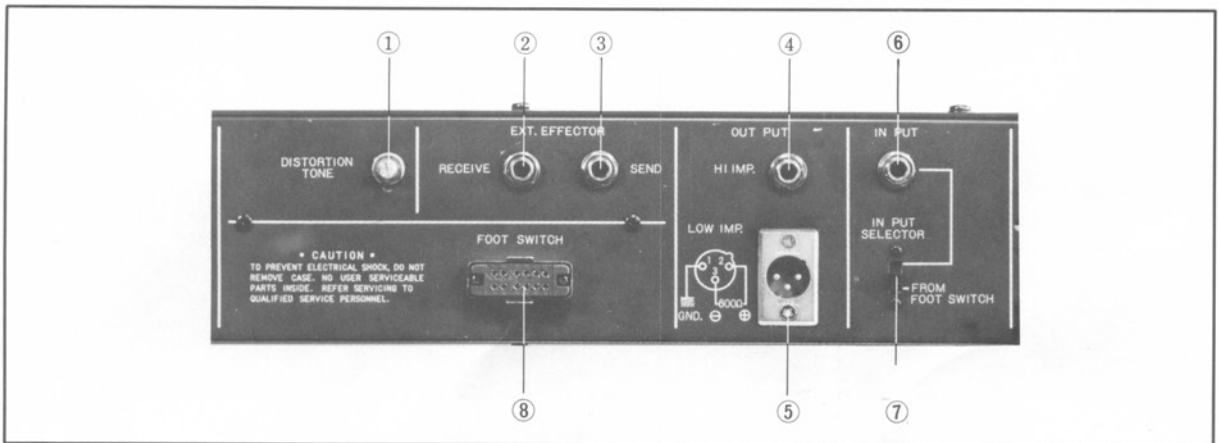
11) Delay Levels - Controls the mix between the dry and flanged signals. This allows you to mix the effect into the background or bring it into the foreground.

12~21) Graphic Equalizer Controls - Govern the amount of cut or boost in one octave increments over the entire audio spectrum.

22) Level - When setting up the graphic equalizer, the overall level can easily be raised or lowered. The level control can restore the level to unity or serve as an overall cut or boost.

23) Power - Turns the unit on or off.

REAR PANEL FUNCTIONS



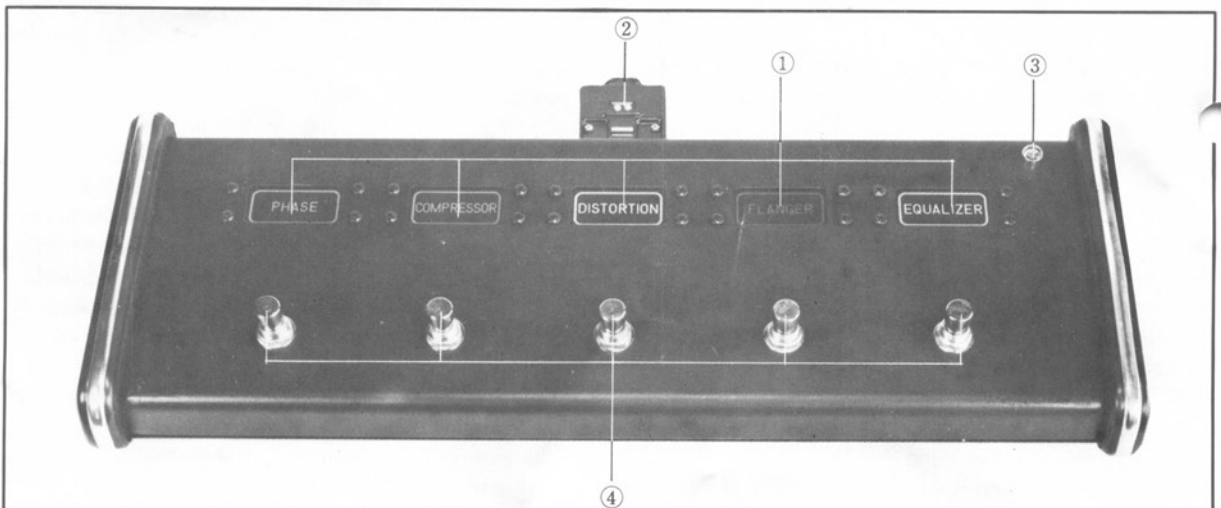
The rear panel of the UE-700 contains the input and output jacks and all the other necessary connections.

- 1) **Distortion Tone** - This trimmer controls the tone of the distorted signal from the distortion unit. Turning the control clockwise will give the distortion a treble character and turning it counterclockwise will give the distortion a mellow character.
- 2) **Receive** - To be connected to the output of any external effects that may be used along with the UE-700.
- 3) **Send** - To be connected to the input of any external effect unit.
- 4) **Hi Imp** - High impedance output of the unit. Can be connected to the input of any standard instrument

amplifier.

- 5) **Low Imp** - IC balanced low impedance (600 ohm) output of the unit. May be connected to a mixing console or other low impedance devices.
- 6) **Input** - One of two inputs into the unit-high impedance.
- 7) **Input Selector** - Switches either to the input jack at the rear of the unit or to the remote input located on the footswitch panel.
- 8) **Foot Switch** - Multi-pin connector to the footswitch panel. This connector provides individual on and off for each of the effects in the unit, provides current to operate the illuminated footswitch panel and contains the remote input line.

FOOTSWITCH FUNCTIONS



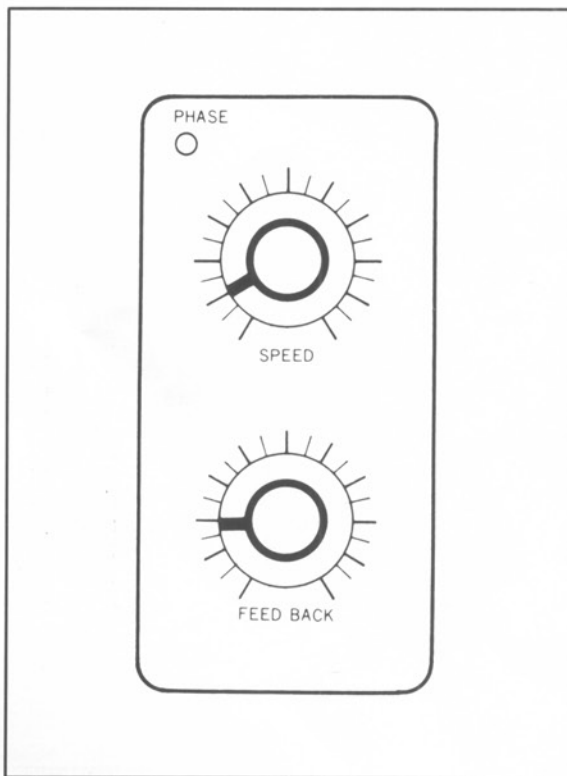
- 1) **Indicators** - there is a color coded illuminated panel to tell the musician which effects are in operation. In addition, the name of the effect is also illuminated.
- 2) **Connector** - Multi-pin connector to carry current

to the Footswitch panel, individual switch signals back to the unit and the remote input.

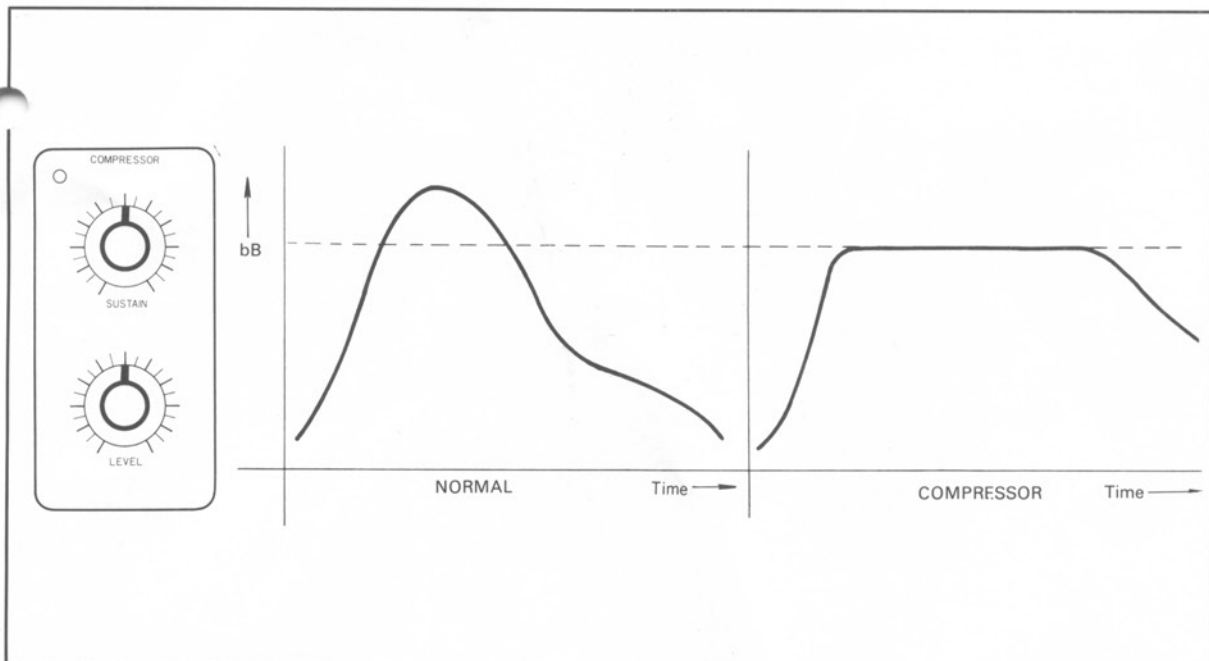
- 3) **Remote Input** - In order to simplify set up and provide a cleaner state the UE-700 features a remote high impedance input located on the footswitch panel.

EFFECTS DESCRIPTIONS

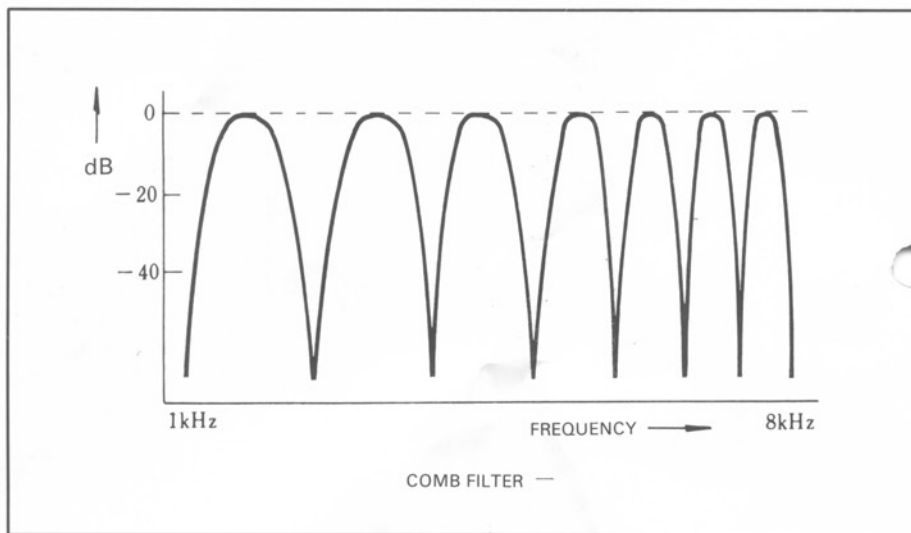
PHASER SHIFTER - The phaser in the UE-700 is similar in design and function to the Ibanez PT-707. It features control over both the speed of the phase shift and the amount of signal regenerated into the phaser. This allows for both subtle and dramatic phasing effects.



COMPRESSOR - A compressor is an electronic device which reduces the gain of high level signals and boosts the gain of lower level signals. This results in a longer sustain of notes and increases the apparent loudness without resorting to high levels. The compressor in the UE-700 features control of the sustain and the output gain for a flexible and useful effect.



FLANGER - Flanging is a studio effect usually accomplished using two tape decks or digital processors. With the advent of low noise/wide bandwidth/broad dynamic range analog circuitry (much of which was developed by Ibanez), flanging has become a useful effect for the masses. The Ibanez flanger in the UE-700 features the most useful and clearest control sections of any flanger on the market. It is possible to achieve almost any flanging effect with the Ibanez flanger, and many effects that are available with no other flanger.



FLANGER

FLANGER

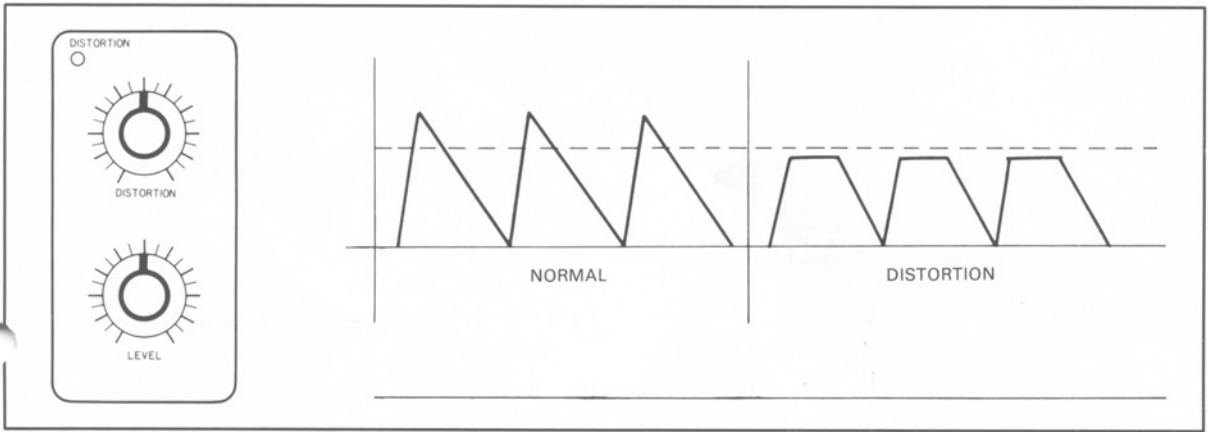
SPEED WIDTH DELAY-TIME REGENERATION DEDAY-LEVEL

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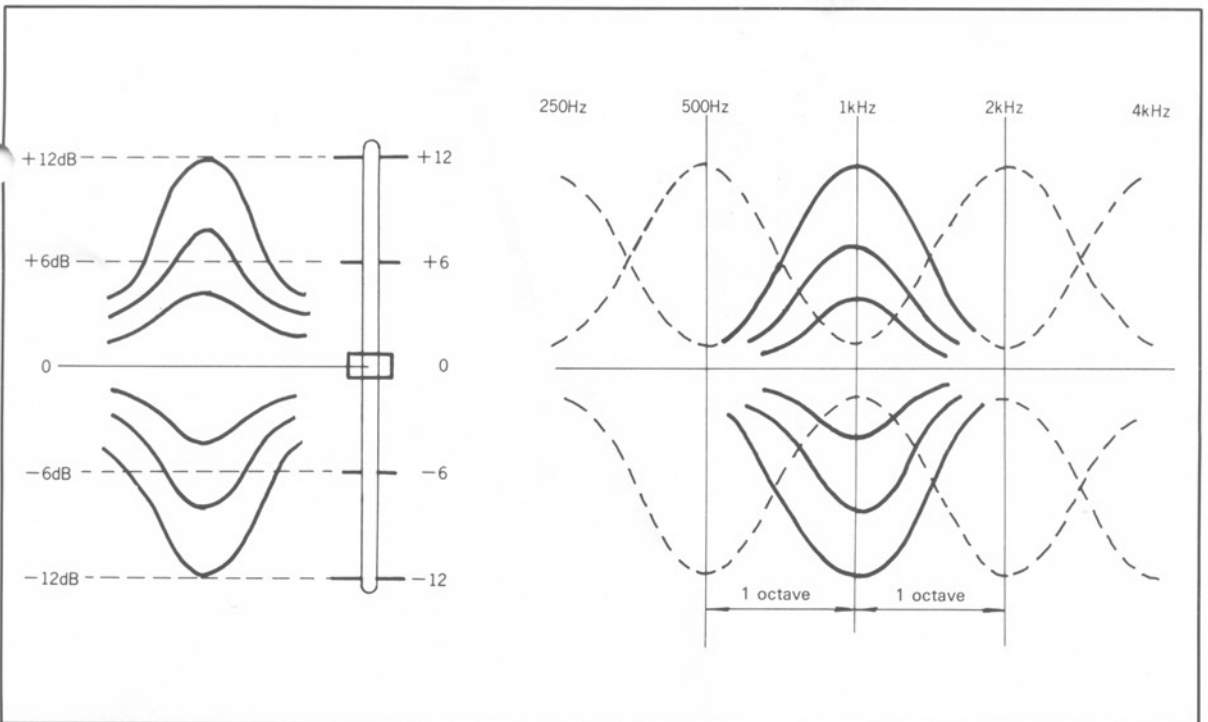
FLANGER

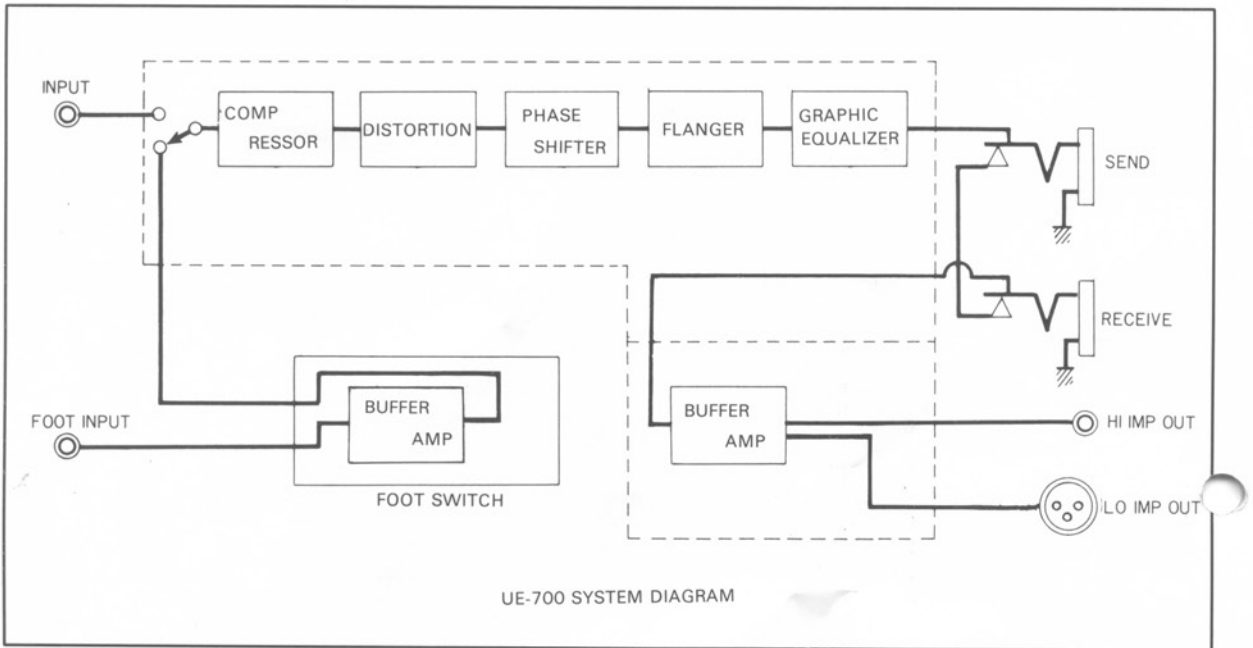
SPEED WIDTH DELAY-TIME REGENERATION DEDAY-LEVEL

DISTORTION - The distortion device in the UE-700 is a signal clipping device which introduces a characteristic square wave distortion into the signal. It features control of the amount of distortion and the output level, with an additional "Distortion Tone" control located on the back panel.



EQ - The graphic equalizer included in the UE-700 is a low noise, active filter type of equalizer that has a multitude of uses. It can be used as a comprehensive tone control section, tone coloration selector, room equalizer or speaker equalizer. It is additionally versatile in that it can be used as a solo tone preset, brought in and out with the footswitch.





SUMMARY

The Ibanez Multi Effects Unit is one of several products now available in the Ibanez Pro Audio Line. It is compatible with other Ibanez Pro Audio Line effects and most other professional quality state and studio devices. It has been designed and built with care and with durability and roadability among the highest criteria. If ever it needs service, please refer to a qualified electronics repair service.

SPECIFICATIONS

■ Input Characteristics

- Input Impedance (On the back of the unit)Unbalanced 100Kohms
- Input Impedance (On the foot switch panel)Unbalanced 100Kohms
- Maximum Input Level+ 18dBm

■ Output Characteristics

- Low Impedance OutputBalanced 600ohms
- High Impedance OutputUnbalanced 10Kohms
- Maximum Output Level+ 20dBm

■ External Effects Send/Receive Loop Characteristics

- External Effects Send ImpedanceLess than 10Kohms
- External Effects Receive Impedance100Kohm

■ Phase Shifter Characteristics

- Maximum Input Level+ 5 dBm
- Equivalent Input Noise- 85 dBm (Input Shorted IHF. A curve)
- LFO-Speed 0.2Hz~ 14Hz

■ Compressor Characteristics

- Manimum Input Level+ 2dBm
- Compression Range- 42dB
- Equivalent Input Noise- 100dBm (Input shorted IHF. A curve)

■ Distortion Characteristics

- Maximum Amplification40dB
- Maximum Input Level0dBm
- Exquivalent Input Noise- 100dBm (Input Shorted IHF. A curve)

■ Flanger Characteristics

- Maximum Input Level- 5dBm
- LFO-Speed0.08Hz~ 8.5Hz
- Equivalent Input Noise- 85dBm (Input Shorted IHF. A curve)

■ Graphic Equalizer Characteristics

- Maximum Equalizer Boost/Cut± 12dB
- Equalizer center Frequencies

31.25Hz	1KHz
62.5Hz	2KHz
125Hz	4KHz
250Hz	8KHz
500Hz	16KHz
- Maximam Level Boost/Cut± 12dB
- Equivalent Input Level- 100dBm (Input Shorted IHF. A curve)

Power

- 117VAC 50/60Hz 24W (T-Type) or
- 220~240UAC 50/60Hz 26W (R.U & S-Type)

■ Weight

- 6.5kg, 14 $\frac{1}{3}$ lbs. (Unit Only)

■ Size

- 100(H) × 480(W) × 290(D) [mm]
- 4 19 11 $\frac{1}{2}$ [inch]

■ Accessories

- Remote Footswitch (included)1
- Remote Footswitch Connection Cord 5m, 196 $\frac{4}{5}$ " (included).....1



Ibanez

