Whether recording or in live performance, microphones are the important link between you and your audience. Ibanez Tech II microphones are designed specifically for the needs of the contemporary studio and sound reinforcement engineer.

Each model in the Ibanez Tech II series has responses and directional characteristics that have been engineered into the microphone for the best performance in the recommended applications.

Ibanez Tech II microphones are built for professional use. Tech II dynamic microphones feature a new high-compliance diaphragm and very lightweight pushing cardioid for full-bodied reproduction without distortion. All Tech II microphones are designed to reduce handling noise and mechanical noise. All the Tech II microphones are designed to last for years of dependable service.

Types of Microphones

There are four main types of microphones: dynamic, cardioid, omnidirectional, and ribbon.

A dynamic microphone is the most common type used in studios and live sound systems. It works by converting sound waves into an electronic signal. The diaphragm in a dynamic microphone is attached to a coil of wire that moves in a magnetic field, creating an electric current that is then amplified. The type of microphone used will depend on the specific application.

Dynamic vs. Condenser

While dynamic microphones are good for capturing the full range of sound, condenser microphones are better for capturing the finer details of a sound.

Proximity and Other Effects

As proximity effects are not an increase in the basic response of a microphone, they may be used to achieve a specific sound. This effect is particularly desirable for vocals, allowing them to appear smoother when recorded.

Make the right choice!

Microphones are an essential part of any music setup. Whether you are recording in a studio or live, choosing the right microphone is crucial. Each model in the Ibanez Tech II series has its own unique characteristics, so it is important to choose the one that best suits your needs.

Ibanez Tech II microphones are designed to meet the needs of professionals in the music industry. Whether you are recording in a studio or performing live, Ibanez Tech II microphones are the perfect choice for you.
**IM60**

**Cardioid Dynamic**

The Tech II IM60 is a cardioid dynamic microphone designed specifically for vocals and musical instrument amplifiers. The smooth proximity effect and presence peak in the upper midrange produce a full and rich sound, while retaining brilliance and clarity. The cartridge is designed to accept very high sound pressure levels without distortion, making it excellent for live music.

The heavy mesh screen protects the cartridge and the built-in acoustic filter reduces pop and sibilance. The cartridge is shock mounted in the housing, reducing handling and stable noise.

**Frequency Response**

**Specifications**

- **Element**: Dynamic
- **Frequency Response**: 50 Hz - 15,000 Hz
- **Polar Pattern**: Uni-Directional (Cardioid)
- **Impedance**: 50 ohms
- **Output Level**: -76 dB
- **Case Material**: Zinc Die-Cast
- **Finish Color**: Bronze
- **Cable**: 15 ft. dual-conductor shielded cable with Cannon XLR-3 type connectors
- **Dimensions**: 529 x 180 mm
- **Weight**: 230 g (body), 260 g (cable)

**Recommended Applications:**

- Vocals
- Musical Instrument Amplifiers

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**IM66**

**Dual-Impedance Cardioid Dynamic**

If you will occasionally use the same microphone with high impedance and low impedance systems, the Tech II IM66 should be your choice. Changing the impedance from 2500Ω to 500Ω is as simple as pulling on the connector in the body of the mic. The response and directional characteristics of the IM66 make it suitable for a wide range of applications from vocals to musical instrument amplifiers. The moderate proximity effect and presence peak give you a full sound with excellent brilliance and clarity.

The IM66 features a built-in pop and sibilence filter for improved clarity when close miking.

**Frequency Response**

**Specifications**

- **Element**: Dynamic
- **Frequency Response**: 75 Hz - 15,000 Hz
- **Polar Pattern**: Uni-Directional (Cardioid)
- **Impedance**: 50 ohms
- **Output Level**: -76 dB
- **Case Material**: Zinc Die-Cast
- **Finish Color**: Bronze
- **Cable**: 15 ft. dual-conductor shielded cable with Cannon XLR-3 type connector
- **Dimensions**: 529 x 180 mm
- **Weight**: 230 g (body), 260 g (cable)

**Recommended Applications:**

- Vocals
- Musical Instrument Amplifiers
- Dual Impedance Applications

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**IM70**

**Super Cardioid Dynamic**

Due to its superior transient response, the Tech II IM70 is recommended for drums, piano and other applications where a sharp attack needs to be faithfully reproduced. The IM70 utilizes an extremely lightweight cartridge diaphragm which, in addition to providing fast transient response, gives you clean and accurate reproduction even under high sound pressure levels. Also, the super cardioid pattern of the IM70 gives it very good unidirectional characteristics, making it an excellent choice for mic'ing drums, particularly the snare and mounted toms.

**Frequency Response**

**Specifications**

- **Element**: Dynamic
- **Frequency Response**: 40 Hz - 16,000 Hz
- **Polar Pattern**: Uni-Directional (Cardioid)
- **Impedance**: 250 ohms
- **Output Level**: -76 dB
- **Case Material**: Zinc Die-Cast
- **Finish Color**: Bronze
- **Cable**: 15 ft. dual-conductor shielded cable with Cannon XLR-3 type connector
- **Dimensions**: 456 x 183 mm
- **Weight**: 280 g (body), 290 g (cable)

**Recommended Applications:**

- Snare Drum
- Tom Toms
- Concert Toms
- Floor Toms

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**IM76**

**Cardioid Condenser**

The Tech II IM76 is an excellent percussion microphone, particularly suited for low frequency drums such as the bass drum and floor toms. The cartridge diaphragm features a high compliance edge and elastic dome for wide response and clean, full lows. The rugged die cast zinc housing protects the cartridge from physical damage and the shock mounting reduces mechanical noise. If you're having trouble getting a "full right" bass drum sound, try an IM76.

**Frequency Response**

**Specifications**

- **Element**: Condenser
- **Frequency Response**: 100 Hz - 22,000 Hz
- **Polar Pattern**: Uni-Directional (Cardioid)
- **Impedance**: 20 kΩ
- **Output Level**: -76 dB
- **Case Material**: Zinc Die-Cast
- **Finish Color**: Bronze
- **Cable**: 15 ft. dual-conductor shielded cable with Cannon XLR-3 type connector
- **Dimensions**: 456 x 183 mm
- **Weight**: 280 g (body), 290 g (cable)

**Recommended Applications:**

- Bass Drum
- Floor Toms

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**IM80**

**Cardioid Condenser**

The Tech II IM80 is a condenser microphone with a frequency response that covers the entire audio range and beyond. Because of its very fast response and excellent high frequency response, it is ideal as an overhead cymbal mike, hi-hat mike or for high pitched percussion instruments such as bells and gongs.

The IM80 incorporates a sensitivity selector into the input switch, allowing you to select vocal and instrument sensitivities. The wide dynamic range of ±10 dB makes the IM80 an excellent choice where very fast response and extended highs are called for.
Tama Mike Stands... "GREAT"

DAVE STAROBIN, STARR RECORDING U.S.A.

We've used Tama drums and Titan hardware for some time now and they've never let us down. The new line of Tama mike stands exhibits the same thought and attention to detail. Tama stands give us excellent isolation, easy and precise positioning and real stability. All I can say is, "They're great!"

When you work with mike stands for a living, you begin to appreciate the fine points. Like extra-thick natural rubber feet and boom swivel washers for better isolation, nylon height adjustment bearings and extra-wide-stance legs.

FEATURES
1. 5/8" coarse thread or 5/8" fine thread adapter mount handles virtually any microphone.
2. Lever-type locking nut for easy mike positioning.
3. Light and strong glass imprinted nylon boom saddle.
4. Rolling lever reduces noise for quick and even adjustments.
5. Silicon washer made of natural rubber for excellent vibration isolation and firm boom positioning.
6. Light and strong glass imprinted nylon boom saddle.
7. Large, easy-to-grip height adjustment nut.
9. Retaining lock, built into upper tube, eliminates inadvertent rotation.
10. Large wing screw on tripod base.
11. Die cast brass base for strength and durability.
12. Taped leg securely mounted through fixture points. Legs fold completely and ready for compact storage.
13. Locking ring prevents separation of base and tube from lower base.
14. Specially designed rubber feet for firm stance with excellent acoustic isolation.
15. Large round screw on nylon boom saddle.

TAMA MIKE STAND PARTS NO.
105-01 5/8" adapter
105-02 Locking nut
105-04 Tail nut
105-05 Rubber washer
105-06 Fiber plastic washer
105-07A Die-cast grip (23 mm)
105-07B Die-cast grip (19 mm)
105-08A Nylon bushing (23 mm)
105-08B Nylon bushing (19 mm)
105-09A Retention Locks (10 mm)
105-09B Retention Locks (12 mm)
105-10 Wing screw
105-14 Rubber No
105-15 Round screw
**TAMA MIKE STANDS**

**TAMA "STRONGMAN" STANDS**

Tama Strongman mike stands feature a new boom fitter derived from the Tama Titan Snare Stand. The boom fitter operates on the brake drum principle with a specially designed friction material that totally eliminates "boom say" during a show. This stand is already getting strong from professional soundmen across the globe.

The M565 is designed for those applications where mikes must be supported near the floor. Also, performers who play warning or have difficulty with standard height stands.

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**ALL PURPOSE BOOM**

The MS100 is an all-purpose boom stand for vocals or sound reinforcement. The MS200 is available in chrome, black, red or yellow to add color to the stage or to identify submix groups.

**OVERHEAD STANDS**

The MS205 stand is particularly suited for overhead use by vocalists, choirs, keyboards and overhead cymbal mixing.

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**TABLE**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MS80</th>
<th>MS100</th>
<th>MS200</th>
<th>MS105</th>
<th>MS205</th>
<th>MS155</th>
<th>MS300</th>
<th>MS405</th>
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<tbody>
<tr>
<td>TYPE</td>
<td>STRAIGHT STAND</td>
<td>BOOM STAND</td>
<td>STRONGMAN STAND</td>
<td></td>
<td></td>
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<td>CONFIGURATION</td>
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<td>3 Section</td>
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<td>MIN. HEIGHT OF UPPER SECTION</td>
<td>560 mm/22.0&quot;</td>
<td>750 mm/29.5&quot;</td>
<td>940 mm/37.0&quot;</td>
<td>940 mm/37.0&quot;</td>
<td>940 mm/37.0&quot;</td>
<td>940 mm/37.0&quot;</td>
<td>940 mm/37.0&quot;</td>
<td>940 mm/37.0&quot;</td>
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<tr>
<td>MAX. LENGTH OF BOOM</td>
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<td>1205 mm/47.5&quot;</td>
<td>1205 mm/47.5&quot;</td>
<td>1205 mm/47.5&quot;</td>
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<td>1205 mm/47.5&quot;</td>
<td>1205 mm/47.5&quot;</td>
<td>1205 mm/47.5&quot;</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>6.2 lbs (2.8 kg)</td>
<td>6.2 lbs (2.8 kg)</td>
<td>6.4 lbs (2.9 kg)</td>
<td>7.0 lbs (3.2 kg)</td>
<td>8.8 lbs (4.0 kg)</td>
<td>9.9 lbs (4.5 kg)</td>
<td>10.6 lbs (4.8 kg)</td>
<td>8.4 lbs (3.8 kg)</td>
</tr>
</tbody>
</table>
TAMA MULTI-CLAMP SYSTEM

SUGGESTIONS ON MICING YOUR DRUM SET

The number and location of microphones will depend on your application and, of course, the number of drums. In a live situation, you are mic'ing drums through a sound reinforcement system, a five piece set can be adequately miked with 3 to 4 mikes. The bass drum, snare and floor toms should have their own mikes and the mounted toms may share a mike placed near the top head and between both drums.

You'll probably find that the leakage from these mikes will pick up the cymbals and the hi-hat quite adequately. In a larger concert situation, you may find it necessary to mike the hi-hat individually and use one or two overheads for cymbals.

When using concert toms, many soundmen prefer to use one mike per drum and place the mike up inside the shell. This technique is most effective, but if you have eight concert toms, you'll need eight mikes.

For recording, just about any microphone surface is miked individually for the maximum clarity. Recording engineers often mike the snare from both the top and the bottom in order to get the snare very precisely. Much of the other snare placement is trial and error until you get a sound you like.

If your budget or mixer inputs limit you to two or three mikes for your series set, a bass drum mike and an overhead pointing down at the snare drum will get you by with surprisingly good results.

Anyway you mike drums, however, the Tama Multi-Clamp system can be done this job.

THE TAMA MULTI-CLAMP HARDWARE SYSTEM

Today's drummer is using more and more accessories than his instruments and more and more drummers are miking their drum sets far more than a balanced group sound. The Tama Multi-Clamp Hardware System grows from the need to more adequately mount accessories and microphones.

You can now not only custom design your Tama set, but your Tama hardware as well. The Multi-Clamp System is based on the versatile multi-clamp with many, many optional parts for just about any application.

MICROPHONE CABLE

4562 (5m-long) Microphone Cable is the unbalanced type of fluffily braided shield microphone cable.
Input Connector .... Three pin audio connector XLR-3/110
Output Connector .... 3/8" standard phone plug

4563-10 (10m-long) Microphone Cable is the balanced type of fluffily braided shield microphone cable.
Input Connector .... Three pin audio connector XLR-3/110
Output Connector .... Three pin audio connector XLR-3/110

IMPEDANCE MATCHING LINE TRANSFORMER

MT-1 Input Impedance .... 600 ohms Unbalanced
Output Impedance .... 50 k ohms Unbalanced Female 1/4" standard phone jack
Input Connector ....... Body Non-reflective nickel (anodized) finish

MT-7 Input Impedance .... 600 ohms Balanced
Output Impedance .... 50 k ohms Balanced with switchable Female 1/4" standard phone jack
Input Connector ....... Body Non-reflective olive gold (anodized) finish

MICROPHONE HOLDERS

4567 Tapered Type
4568 Universal Type

STAND ADAPTOR

4569 For use different types of microphone stands, this adaptor can be inserted between.
Ibanez MICROPHONES
IM60, IM66, IM70, IM76, IM80
TAMA MICROPHONE STANDS
MS80, MS100, MS200
MS105, MS205,
MS155, MS355, MS455
TAMA MULTI-CLAMP SYSTEMS
Ibanez MICROPHONE CABLE
Ibanez IMPEDANCE MATCHING LINE TRANSFORMER
Ibanez MICROPHONE HOLDER & ADAPTOR

Ibanez

K Tama

Ibanez Microphones & Tama Micstands are sold and served by