# MULTI-DISC CD PLAYER

## 5-Disc CD Player
## DCM290P*

This **5-Disc CD Player** is capable of loading and removing discs without interrupting play. Plays audio CDs as well as CD-R/RW discs with MP3 and WMA files. A rack mounting kit is included.

### Product Features:

- 5-Disc CD changer
- Load or remove discs without interrupting play mode
- Stereo output via analog RCA jacks and digital output via coaxial and optical jacks
- Program up to 32 tracks from up to five separate discs
- MP3 and WMA decoders
- Infrared remote control
- 3-mode random playback *(full random, program random, disc sequential random)*
- Includes rack mount kit *(3 rack spaces)*
- UL and C-UL listed

| Power Requirements: | 120V AC |
|---|---|
| Dimensions: | 17-1/8" W x 4-3/4" H x 15-3/4" D (without Rack Kit) |
| Product Weight: | 13 lb. |

***** *This product is covered by original manufacturer's 1-Year Limited Warranty. Please contact Customer Service for warranty information on this product.*

### Output Connections

The DCM290P provides separate stereo outputs via analog RCA connectors and digital optical and coaxial connectors.

### MP3/WMA Decoders

MP3/WMA decoders play finalized CD-R/RW discs containing MP3 or WMA audio files. A single CD-R/RW disc can contain up to 10 times more tracks than an ordinary audio CD. Installations requiring long-play background music are excellent applications for CD-R/RW discs containing a large number of MP3 files.

### Playback Modes

Audio track selection can be configured in a variety of ways for playback. Tracks can be played back sequentially or randomly, manually or programmed (up to 32 tracks) from any one or up to five loaded discs. Random playback functions include random playback of tracks from one, all or programmed tracks from the loaded discs. Once all tracks are played back in random order, "repeat playback" plays back the same selected tracks in a different random order.

### Intelligent Disc Scan

When using the remote control, the disc skip button rotates the carousel tray clockwise or counterclockwise when searching for a disc for faster playback.

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# DIGITAL STEREO TUNER

## DST1

The **DST1** Digital Tuner incorporates a digital PLL-synthesized tuner for precise reception of FM and AM signals. The DST1 features the ability to store up to 60 total presets (FM and AM). It is designed for shelf- or rack-mounted installation and is one rack space (1 RU) high. Removable rack ears are included with the unit.
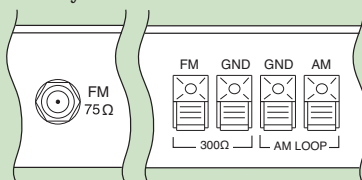
### Product Features:

- PLL-synthesized tuning with digital readout
- 60 Presets total *(FM and AM)*, with scan feature
- Stereo and Mono outputs
- Volume control *(rear panel-mounted)*
- Connectors for 75-ohm FM, 300-ohm FM, and AM loop antennas
- FM dipole and AM loop antennas included
- Bright alphanumeric, fluorescent display panel
- Operates from nominal 120V AC, 60 Hz
- Handheld remote control
- Stereo output cable
- Shelf- or rack-mounted installation, one rack space high *(1 RU, removable rack ears included)*
- Listed to UL Standard 60065 for US and Canada

**Remote Control**
*(included)*

### Antenna Connections

Anyone who has installed a tuner inside an industrial building knows that radio signals don't penetrate too far into these steel-laced structures. Because the DST1 is designed for industrial installations, it contains inputs for both external 300-ohm (twin line) and 75-ohm (coaxial) antenna feeds. The 75-ohm input uses an "f" connector and can receive feeds from antenna distribution systems or cable systems.

FM 75Ω

FM  GND  GND  AM

300Ω    AM LOOP

Whether sitting on a shelf or mounted in a rack, the DST1 is a great choice for an industrial-grade tuner.

| Power Requirements: | 120V AC nominal @ 60Hz |
|---|---|
| Dimensions: | 16-7/8" W x 1-3/4" H x 10" D |
| Product Weight: | 5 lb. |

## Paging Input Details

The DRZ35 has a full-featured microphone paging input. The microphone input is a low-impedance balanced input that works with dynamic or condenser microphones. Whenever a page is made, the AUX or Tuner feed is muted via a VOX detector. When the page is completed, the other source smoothly fades back in.

By using a WMT1A matching transformer, the MIC input can be connected to the paging port of a telephone system.

## Speaker Zones

Built into the DRZ35 is a convenient 4-zone selector switch group. These push-on/push-off switches allow you to control how paging is distributed throughout a facility. Simply turn on and off groups of speakers as needs change.

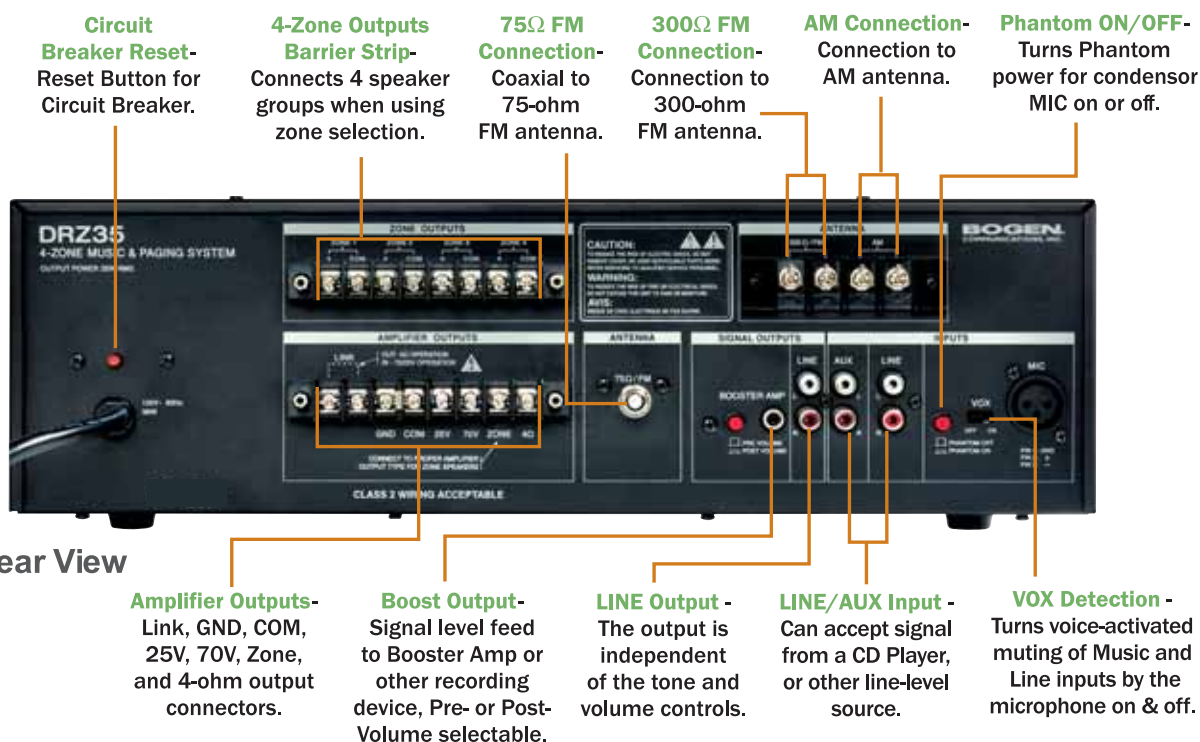| Power Requirements: | 120V AC @ 60 Hz |
|---|---|
| Dimensions: | 17" W x 5-1/4" H x 13-5/8" D |
| Product Weight: | 20 lb. |

# AM/FM 35-WATT RECEIVER



## DRZ35

The **DRZ35** is a unique, self-contained 4-zone music and paging system for small- to medium-sized applications. It has a digital AM/FM tuner, as well as MIC, LINE, and AUX inputs. It has 35 watts of output power, and is capable of driving 4-ohm, 25- or 70-volt speaker systems.

The DRZ35 permits connection of up to four switch-selectable paging zones. It also features Bass and Treble controls and a Master Volume control with a 5-segment LED output meter. The built-in tuner uses a PLL synthesizer to provide accurate frequency selection.

### Product Features:

- Self-contained, 4-zone music and paging system with Tuner
- 35 watts of output power
- For use with 4-ohm, 25- or 70-volt speaker systems
- Select 1-4 zones for music or paging
- 3 external audio inputs: MIC, LINE, & AUX
- MIC input uses a standard XLR three-pin connector for balanced Lo-Z microphone
- Phantom power *(21V DC)*
- Microphone paging priority with VOX-activated music muting
- LINE and AUX stereo combining RCA inputs
- Built-in digital AM/FM Tuner, with PLL synthesizer to provide accurate frequency selection
- Auto station search and manual tuning

- Backlit tuner display, LCD
- 10 FM and 10 AM station presets
- Tuner has sleep mode/auto shut-off feature
- FM 75Ω coaxial (F-type), FM 300Ω, and AM Loop terminals antenna
- Large master volume control
- Bass and treble controls
- 5-segment LED output level meter
- Booster amplifier output with Pre- or Post-Volume selector
- Power on LED indicator
- Rack-mountable with included brackets
- FM dipole and AM loop antennas *(included)*
- FCC Compliant
- Listed to UL Standard 60065 for US and Canada

**Circuit Breaker Reset-** Reset Button for Circuit Breaker.

**4-Zone Outputs Barrier Strip-** Connects 4 speaker groups when using zone selection.

**75Ω FM Connection-** Coaxial to 75-ohm FM antenna.

**300Ω FM Connection-** Connection to 300-ohm FM antenna.

**AM Connection-** Connection to AM antenna.

**Phantom ON/OFF-** Turns Phantom power for condensor MIC on or off.



**Rear View**

**Amplifier Outputs-** Link, GND, COM, 25V, 70V, Zone, and 4-ohm output connectors.

**Boost Output-** Signal level feed to Booster Amp or other recording device, Pre- or Post-Volume selectable.

**LINE Output -** The output is independent of the tone and volume controls.

**LINE/AUX Input -** Can accept signal from a CD Player, or other line-level source.

**VOX Detection -** Turns voice-activated muting of Music and Line inputs by the microphone on & off.

# CD PLAYER & AM/FM RECEIVER

## CDR1

The **CDR1** is a combination
CD Player and AM/FM Receiver.

### Product Features:

- Single Disc CD Player & AM/FM Receiver
- Stereo & Mono signal out
- 1W minimum, @ 8-ohms stereo output
- Adjustable loudness contour
- 12-hour time display
- AUX input via 1/8" stereo jack
- Pluggable screw terminal connector
  for antenna & speaker wiring
- Rack-mountable *(2 rack spaces)*
  w/ accessory mounting kit
- External power supply *(UL and C-UL listed)* included

| Power Requirements: | 12V DC/3A |
| --- | --- |
| Dimensions: | 7-1/4" W x 2-1/8" H x 9-1/4" D |
| Product Weight: | 4 lb. |

**CD Player:**
- Plays CD, CD-R, and CD-RW discs
- Browse, Repeat, Random Play, and Pause functions

**Receiver:**
- 30 Station presets: 5 selectable bands (3 FM and 2 AM)
  can be programmed with 6 stations each
- Manual Tuner, Auto Seek, and Preset Scan features
- Pluggable screw terminal inputs for AM loop and FM dipole antennas
- F-Type connector for coaxial 75-ohm antenna

### *Space Saving*

The CDR1 incorporates a full-featured AM/FM receiver and CD player in an extremely compact size. When rack-mounted using the optional mounting kit, the CDR1 fits in 2 rack spaces.

### *Dual Outputs*

A unique feature of the CDR1 is its dual outputs. Since it is designed for paging systems, a set of signal level RCA outputs is available on the rear of the unit. These outputs can feed the music or AUX inputs of a paging system directly. But the CDR1 also contains a pair of 1-watt outputs that can drive 8-ohm speakers directly. These outputs provide a convenient way to supply local speakers or to monitor the receiver tuning, without the need to run paging speakers into the equipment room.

### Accessories
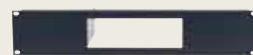
**RK78**
Rack
Mount Kit

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# FM RADIO RECEIVER

## FMR

This economical **FM Radio Receiver** provides 8-ohm and 600-ohm output and is wall-mountable.

### Product Features:

- Automatic Frequency Control
  prevents signal drift
- LED indicator illuminates when
  the signal is strongest
- 1W, 8-ohm output
- 600-ohm Line-level output
- Connects to a variety of paging
  systems, including self-amplified
  speaker systems
- Built-in monitor speaker makes
  tuning easy
- Telescoping antenna built-in or
  connect to an external antenna
- Volume and tone controls
- Wall-mountable

### *Commercial Sound Use*

The FMR is an advanced commercial music source. It may be housed in a compact and familiar package, but this is no simple transistor radio. It has two types of outputs. The line output is designed to interface with any AUX input, and the 1-watt output has enough power to supply various external equipment. They both have level controls so you can use them simultaneously. The FMR also has a tone control to further shape the sound.

Another feature that makes the FMR unique is its external antenna connections. The built-in telescoping antenna is convenient, but radio signals don't penetrate very far into most industrial buildings. Connect the FMR's external antenna terminals to a roof antenna or RF distribution feed for crystal-clear reception.

| Power Requirements: | 12V or 24V DC power supply (not included) |
| --- | --- |
| Dimensions: | 3-3/8" W x 6" H x 1-1/2" D |
| Product Weight: | 1 lb. |

### Accessories

**PRS40C**
**Power Supply**
*(12V DC)*

# MICROPHONES

Bogen's microphone line includes a variety of types and styles *(handheld, wireless handheld/lavaliere, desktop, gooseneck, boundary, and overhead hanging)* to meet your application needs, from paging systems to instrument and vocal reproduction. These microphones provide clear, natural, intelligible sound reproduction with accurate response and dependable performance.

## WIRELESS SYSTEMS

### UHF Wireless Microphone Systems
### UDMS800HH, UDMS800BP

**NEW!**

These **Wireless Microphone Systems** offer users the freedom to move around while speaking. System choices consist of a 800-channel PLL-synthesized UHF Receiver with either a handheld microphone or lavaliere microphone and body-pack transmitter. Headset microphone available.

### UHT800 Handheld Microphone

• Sleek metal housing with internal antenna for optimum aesthetics and durable long life
• Uni-directional neodymium dynamic cartridge for optimum sound, maximum feedback rejection, and minimal handling noise
• Audio mute switch allows convenient audio muting while leaving the transmitter "ON"
• LED indicator: Unit "ON", and "Low Battery Alert"
• Convenient, economical operation with AA alkaline or NiMH batteries (2x)
• 9-1/8" long x 2" dia.; 10 oz. (without batteries)

### UBP800 Body-Pack w/Lavaliere Microphone

• Audio mute switch allows convenient audio muting while leaving the transmitter "ON"
• LED indicator: Unit "ON", and "Low Battery Alert"
• Locking 3.5mm mini-jack provides secure connection for removable microphone
• Convenient, economical operation with AAA alkaline or NiMH batteries (2x)
• 2-1/4" W x 3-3/8" H x 1" D; 2.8 oz. (without batteries)
• Lavaliere Mic: 4 ft. long cord; 0.6 oz.

### UDR800 800-Channel PLL-Synthesized UHF Receiver

• Offers 800 user-selectable frequencies in UHF 470-490 MHz band; 120 dB dynamic range; operation up to 500 feet line-of-sight
• DigiTRU Diversity™ for maximum range and dropout protection, full LED indicators, 1/4" unbalanced and XLR balanced outputs, Tone Squelch™ for locking out potential interference, noiseless transmitter ON/OFF switching, and level control for unbalanced output
• Half-rack receiver design with front panel dual antennas, powered by wall power adapter *(included)*
• 8" W x 1-5/8" H x 5-1/8" D; antenna 2-3/4"; 1 lb.

**UDMS800HH**
includes:
• UHT800 Handheld Mic
• UDR800 UHF Receiver
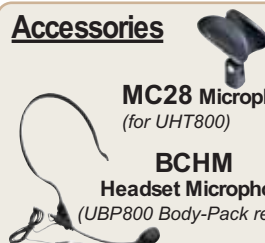
UDR800

UHT800

**UDMS800BP**
includes:
• UBP800 Body-Pack & Lavaliere Mic
• UDR800 UHF Receiver

UBP800

UDR800

### Accessories

**MC28** Microphone Clip
*(for UHT800)*

**RPK89** Rack Mount
*(Single Unit)*

**BCHM**
Headset Microphone
*(UBP800 Body-Pack required)*

**RPK90**
Rack Mount
*(Double Unit)*

## DESKTOPS

### Dynamic Desktop Microphone
### DDU250

The **DDU250** is a high-quality, dynamic, gooseneck desktop microphone ideal for any PA system. The gooseneck permits the user to adjust the microphone's angle and height to suit the user's needs. *4-1/4" W x 18-1/4" H x 6-1/4" D; 3.5 lb.*

• Cardioid pickup pattern
• Push-to-lock and push-to-talk switches
• Excellent speech intelligibility with low ambient noise
• Effective feedback control
• 16" long, fully flexible gooseneck stalk shock-mounted to a heavy zinc die cast base
• 10-ft. cable with external contact closure outputs for the talk switches
• 500-ohm Impedance
• Frequency response range of 100 Hz to 12 kHz
• Sensitivity of -76 dB +/- 3 dB

### Desktop Paging Microphone
### MBS1000A

The **MBS1000A** is a dynamic, dual-impedance, desktop microphone designed for all industrial and commercial public address and paging applications. *4-3/8" W x 9-3/8" H x 5-7/8" D; 1.25 lb.*

• Cardioid pickup pattern
• Locking mechanism with push-to-talk bar for long announcements
• Push-to-talk or lift-to-talk operation
• Impedance: Hi-Z, 50k ohms; Lo-Z, 500 ohms
• Frequency response range of 45 Hz to 15 kHz
• Sensitivity: Lo-Z: -72 dB +/- 3 dB; Hi-Z: -52 dB +/- 3 dB
• ABS plastic with rubberized black finish, and die cast base
• 7-ft. long; 4-conductor, 2-shielded cable included

# MICROPHONES

## HANDHELDS

### Professional Handheld Stage Microphone
### HDU250

The **HDU250** is a dynamic microphone ideal for acoustically demanding environments. It features a heavy zinc die cast case with a rigid, low noise cable-mount system and a lockable silent reed switch. *7" D x 2" dia.; 13 oz.*

- Cardioid pickup pattern
- High-output design with excellent gain before feedback characteristics
- High sound pressure capability without distortion
- Low sensitivity to breath/pop noise
- Efficient shock-mount system prevents handling and transmission noise
- High sensitivity Neodymium capsule
- 250-ohm Low-impedance
- Frequency response range of 50 Hz to 18 kHz
- Sensitivity of -72 dB +/- 3 dB
- Integral multi-layer breath/wind filter; includes mic clip
- Rubberized black finish; rugged, reliable construction

### Handheld Stage Microphone
### HDU150

The **HDU150** is an attractive, dynamic, all-purpose microphone ideally suited for a wide variety of vocal and sound reinforcement applications. *6-1/2" D x 1-1/2" dia.; 13 oz.*

- Cardioid pickup pattern
- Wide dynamic range with high-end sparkle and minimum feedback
- Low sensitivity to breath and popping sounds
- Lockable, silent on/off reed switch
- 500-ohm Impedance
- Frequency response range of 70 Hz to 15 kHz
- Sensitivity of -70 dB +/- 3 dB
- Rubber shock-mount system for attenuation of handling & cable noise
- Rigid, low-noise cable-mount system
- Rubberized black finish; durable ball-shaped design; includes mic clip

### Handheld Public Address Microphone
### HDO100

The **HDO100** is an attractive, dynamic microphone perfectly suited for public address applications and instrument sound reproduction. *6-1/2" D x 1-1/2" dia.; 13 oz.*

- Omni-directional pickup pattern
- Clean, clear reproduction with minimal ambient sound
- Low sensitivity to handling noise and stage vibrations
- Lockable, silent on/off reed switch
- 500-ohm Impedance
- Frequency response range of 70 Hz to 15 kHz
- Sensitivity of -72 dB +/- 3 dB
- Internal rubber shock isolation system
- Rugged, reliable construction; includes mic clip
- Rubberized black finish
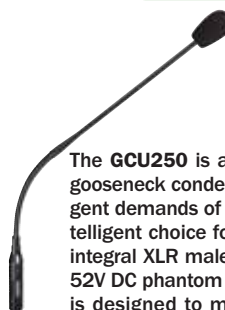
## GOOSENECKS

### Condenser Gooseneck Microphone
### GCU250

The **GCU250** is a high-performance, partially rigid, adjustable gooseneck condenser microphone capable of meeting the stringent demands of today's conference and PA systems. It is an intelligent choice for sound reinforcement applications. It has an integral XLR male connector mounting base and requires a 9V-52V DC phantom power source. Slim and compact, the GCU250 is designed to minimize intrusion between the user and the audience. *18-1/2" Long; 4 oz.*

- Cardioid pickup pattern
- Clean, accurate vocal reproduction with low ambient noise
- Integral breath/wind filter
- 250-ohm Impedance
- Frequency response range of 50 Hz to 18 kHz
- Sensitivity of -65 dB +/- 3 dB
- Snap-on windscreen
- Durable all-metal case with non-glare black finish
- 5-1/2" adjustable lower stalk, with 9-1/2" rigid upper section

### Dynamic Gooseneck Microphone
### GDU150

The **GDU150** is a dynamic, gooseneck microphone that features a durable all-metal case with a non-glare black finish. It has a 10" long, fully flexible neck section with an integral XLR mounting base. *16-3/4" Long; 11 oz.*

- Cardioid pickup pattern
- Outstanding speech intelligibility, feedback rejection, and user sound isolation
- High sound pressure capability and low sensitivity to breath/pop noise
- Superior shock-mount system to reject handling and cable noise
- Integral multi-layer breath/wind filter
- 500-ohm Impedance
- Frequency response range of 100 Hz to 12 kHz
- Sensitivity of -75 dB +/- 3 dB
- Silent push-on/push-off talk switch on base
- Rugged, reliable construction

### Industrial Gooseneck Microphone
### MGN19

The **MGN19** is a dynamic, push-button activated microphone designed for all industrial and commercial public address and paging applications. *23-1/2" Long; 1.25 lb.*

- Omni-directional pickup pattern
- Rugged, reliable design for quality, long-term use under strenuous handling conditions
- 400-ohm Impedance
- Frequency response range of 50 Hz to 12 kHz, w/ 2 kHz boost
- Sensitivity of -76 dB +/- 3 dB
- Push-to-talk switch on MIC housing
- Chrome-plated screen & gooseneck with black plastic housing
- 4-conductor, 2-shielded cable included
- 19" flexible neck with mounting flange

### Accessories

*More Microphone Accessories on Page 60*

**WSGCU250**
Mic Windscreen
*(for GCU250)*

**MC27**
Mic Clip
*(for HD Handhelds)*

**MICROPHONES & ACCESSORIES**

## OVERHEAD

### Professional Overhead Hanging Microphone
### WCU250

The overhead **WCU250** is a back electret condenser, professional microphone perfectly suited for picking up audio from large groups. Because it can hang from the ceiling and is compact in size, the WCU250 is very useful in minimizing visual distraction for the performers and the audience alike, and limits intrusion into the working space.

The WCU250 cable is terminated by a mini-XLR (female). A mini-XLR to standard XLR adapter (included) houses the pre-amplifier. It requires an external 9V to 52V DC phantom power supply. *1-1/4" D x 1/2" dia.; 5 oz.*

- Cardioid pickup pattern
- Clear, crisp sound with outstanding ambient noise isolation
- Utilizes a superior-quality, state-of-the-art transducer element and circuitry
- Transformerless, direct-coupled design to ensure clear, transparent reproduction of even the most delicate transients at the highest output levels
- Phantom power operated
- 250-ohm Impedance
- Frequency response range of 50 Hz to 18 kHz
- Sensitivity of -65 dB +/- 3 dB
- Integrated metal hanger; matte black finish; 20-ft. cable included
- Stainless steel, adjustable black hanger

## BOUNDARY

### Professional Boundary Microphone
### SCU250

The **SCU250** is an unobtrusive, surface-mount, boundary, condenser microphone ideal for meeting rooms, conferences, and stage productions where minimum visibility is ideal. It requires an external 9V to 52V DC phantom power supply. *2-3/4" W x 3/4" H x 3-1/4" D; 11 oz.*

- Cardioid pickup pattern
- Full, rich reproduction of voice and music
- Low sensitivity to stage vibration and thumping noise
- Well-suited in capturing the sound source and immediate surroundings
- Excellent user sound isolation with excellent feedback rejection
- Phantom power operated
- 250-ohm Impedance
- Frequency response range of 20 Hz to 18 kHz
- Sensitivity of -58 dB +/- 3 dB
- Low-impedance balanced output
- Mounting keyways for hanging or for secure attachment to the mounting surface
- Heavy-duty metal case; matte black finish
- Outputs for interfacing with auxiliary equipment
- 26-ft. long Quad cable, attached

# MICROPHONE ACCESSORIES *(other accessories listed on page 59)*

## STANDS

### SF4 - Floor Stand
- 34" to 62" adjustable height
- Round 10" diameter die cast base, 9 lb.
- Grip-action clutch and chrome-plated tubing

### SB6 - Floor Boom Stand
- Telescopic floor stand
- Sliding 30" boom arm
- 34" to 62" adjustable height, 6 lb.
- Chrome-plated tubing
- Tripod base

### DS3 - Desk Stand
- 3" chrome-finish tube; 4" high with base
- 6" dia. cast iron base, 3 lb.

**DS3**     **SB6**     **SF4**

## MOUNTS

### MSM - Shock-Isolated Microphone Base
- For use with models GCU250 & GDU150
- Provides superior mechanical noise and vibration handling
- Lightweight ABS material housing
- XLR (female) connector
- Thick, shock-absorbing rubber cushion
- 4-3/4" W x 1-3/4" H x 4" D; 6 oz.

**MSM**

## CABLES

### XLR25 - Microphone Cable
- For use with models HDU250, HDU150, & HDO100
- 25' cable; Male XLR to female XLR, 2-conductor plus shield; 12 oz.

**XLR25**

### MAC - Microphone Cable Assembly
- For use with models HDU250, HDU150, & HDO100
- 25' cable; Female XLR to stripped and tinned wires, 2-conductor plus shield; 1 lb.

**MAC**

**BOGEN®**  **www.bogen.com**