



the handlers®

A desirable sound system begins with a good microphone. Paso unidirectional dynamic microphones' frequency response has been tailored to provide the best possible reproduction regardless of environmental noise, undesirable acoustics and microphone placement. Most Paso "Handlers" series microphones feature a rugged die-cast zinc alloy enclosure. This mechanical solution insures high tensile strength and great resistance to shock. The dynamic element is then surrounded by a heavy-duty woven wire mesh grille and further protected by a foam "pop" and windscreen. Finally the exclusive non-reflecting scratch and stain resistant finish is electroplated on the enclosure for long lasting protection and beauty.

The PASO Handlers® Unidirectional Dynamic Microphones . . . Quality you can feel !

Unidirectional Dynamic Microphones



Economy Model M91
Unidirectional Dynamic
General Purpose Public Address

Model Configurations

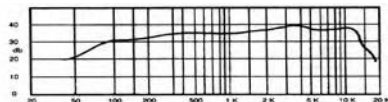
- M91F** -With Female Connector*
- M91M** - With Male Connector*
- M91P** - With ¼" Gold Plug

* 3 pin audio connector attached at equipment end

A low cost, general purpose Unidirectional Dynamic Microphone that offers good quality in a handsomely designed ABS enclosure. The high sensitivity cartridge is shock mounted to minimize handling noise and protection against jarring. Ideal for public address applications the cardioid pattern is particularly useful in the cancelling of acoustic feedback and unwanted background noise. The frequency response is tailored to provide a crisp and clear reproduction without annoying boominess. Other characteristics include metal wind screen, On Off switch, non-reflecting scratch resistant matte black finish, standard mount stand holder and 15 ft. cable (Attached).

- Low Impedance
- Stand Holder
- 15 ft. Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 60 - 13,000 Hz
Polar Pattern: Cardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -55db (0db=1 mw/10 mbar)
Open Circuit Voltage: -74db 0.20 mV (0db=1 V/mbar)
Switch: On- Off
Case: ABS
Finish: Matte Black
Dimensions: 8.7" (220 mm) High
 2" (52 mm) head diameter
Accessories Included: Tapered Stand Holder 5/8"-27
Cable: 15 ft. (5 m) attached
Net Weight: 12 oz (340 gr.) with cable



Frequency in Hertz



High Output M911
Unidirectional Dynamic
General Purpose Public Address

Model Configurations

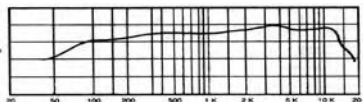
- M911F** -With Female Connector*
- M911M** - With Male Connector*
- M911X** - Without Connector

* 3 pin audio connector attached at equipment end

A general purpose Unidirectional Dynamic Microphone that offers good quality in a handsomely designed enclosure. The high sensitivity and high output cartridge is shock mounted to minimize handling noise. Specifically designed for voice applications the uni pattern is particularly useful for cancelling acoustic feedback and background noise. The smooth response is tailored to provide a crisp and clear reproduction without annoying boominess. Other characteristics include rugged wimesh wind screen, On Off switch, non-reflecting scratch resistant black electroplated finish, standard mount stand holder, 15 ft. cable and protective carrying case.

- Low Impedance
- Stand Holder
- Detachable Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 60 - 14,000 Hz
Polar Pattern: Cardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -55 db (0 db=1 mw/10 mbar)
Open Circuit Voltage: -74 db .20 mV (0 db=1 V/mbar)
Switch: On- Off
Case: Zinc Diecast
Finish: Matte Black
Dimensions: 6.5" (165 mm) Long
 2.15" (54 mm) head diam.
Accessories Included: Tapered Stand Holder 5/8"-27
 15 Ft. (5 m) Cable, Carrying Case
Net Weight: 11 oz (312 grams)



Frequency in Hertz



High Output M921
Unidirectional Dynamic
General Purpose Public Address

Model Configurations

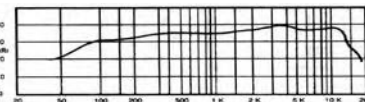
- M921F** -With Female Connector*
- M921M** - With Male Connector*
- M921X** - Without Connector

* 3 pin audio connector attached at equipment end

A general purpose, Unidirectional Dynamic Microphone particularly suited for sound reinforcement and recording. The rugged high sensitivity and high output cartridge is shock mounted to minimize handling noise. Specifically designed for voice applications the uni pattern is particularly useful for cancelling acoustic feedback and unwanted background noise. The smooth response is tailored to provide a crisp and clear reproduction without annoying boominess. Other characteristics include metal wind screen, On Off switch, matte black non-reflecting scratch and stain resistant electroplated finish, standard mount stand holder and a 15 ft. detachable cable.

- Low Impedance
- Stand Holder
- Detachable Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 60 - 15,000 Hz
Polar Pattern: Cardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -55 db (0 db=1 mw/10 mbar)
Open Circuit Voltage: -74 db .20 mV (0 db=1 V/mbar)
Switch: On- Off
Case: Zinc Diecast
Finish: Matte Black
Dimensions: 6.5" (165 mm) long
 1.6" (40 mm) head diameter
Accessories Included: Stand Holder 5/8"-27
 15 Ft. (5 m) Cable, Carrying Case
Net Weight: 11 oz (312 grams)



Frequency in Hertz



the handlers®

The Paso Microphones have attained worldwide recognition for High Quality, Reliable Performance and Advanced Design characteristics. Since 1933 millions of microphones have been produced and sold to satisfied users. A confirmation of the proven excellence achieved in the engineering and manufacturing of microphones of all types. The high quality manufacturing standard set by our company is continuously upgraded to integrate "state of the art" technology and to satisfy the most stringent and demanding applications. Finally the limited two-year warranty against all defects is your assurance of a sound investment with Paso Microphones.

The PASO Handlers® Unidirectional Dynamic Microphones . . . Quality you can feel !

Unidirectional Dynamic Microphones



High Grade M931
Unidirectional Dynamic
High Grade, Vocal, Recording

Model Configurations

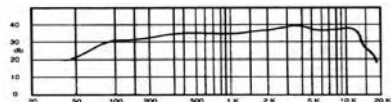
- M931F** -With Female Connector*
- M931M** - With Male Connector*
- M931X** - Without Connector

* 3 pin audio connector attached at equipment end

A High Grade Unidirectional Dynamic Microphone that is both rugged and handsomely styled. A doubly redundant, highly damped suspension system completely isolates the cartridge from the outer case, greatly minimizing handling noise. The cardioid pattern cancels acoustic feedback in difficult "microphone placement" applications and reduces background noise. The extended frequency response characteristics provide high presence effect. Other features include high efficiency anti-pop filter, On-Off switch, matte black non-reflecting scratch resistant electroplated finish, anti-shock stand holder, 15 ft. detachable cable and carrying case.

- Low Impedance
- Stand Holder
- 15 ft. Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 50 - 15,000 Hz
Polar Pattern: Cardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -57 db (0 db=1 mw/10 mbar)
Open Circuit Voltage: -77 db 0.13 Mv (0 db=1 V/mbar)
Switch: On- Off
Case: Zinc Diecast
Finish: Matte Black
Dimensions: 6.5" (170 mm) long
 2" (50 mm) head diameter
Accessories Included: Tapered Stand Holder 5/8-27
 15 Ft. (5 m) Cable, Carrying Case
Cable:
Net Weight: 11.5 oz (296 grams)



Frequency in Hertz



Hypercardioid M941
Unidirectional Dynamic
Super Grade, Vocal, Stage

Model Configurations

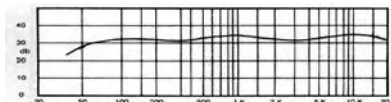
- M941F** -With Female Connector*
- M941M** - With Male Connector*
- M941X** - Without Connector

* 3 pin audio connector attached at equipment end

A Super Grade Unidirectional Dynamic Microphone that is both rugged and handsomely styled. A doubly redundant, highly damped suspension system completely isolates the cartridge from the outer case, greatly minimizing handling noise. The Hypercardioid pattern prevents acoustic feedback in difficult applications. Front to back rejection exceeds 25 db at 1 Khz. permitting greater usable output with less "howling problems" and background noise. The high frequency response characteristics add the right amount of "brightness" for a realistic "presence effect". Other features include On-Off switch, black non-reflecting scratch resistant electroplated finish, anti-shock holder, 15-ft. cable and carrying case.

- Low Impedance
- Stand Holder
- Detachable Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 50 - 17,000 Hz
Polar Pattern: Hypercardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -57 db (0 db=1 mw/10 mbar)
Open Circuit Voltage: -77 db .013 Mv (0 db=1 V/mbar)
Switch: On- Off
Case: Zinc Diecast
Finish: Matte Black
Dimensions: 7" (178 mm) long
 2" (54 mm) head diameter
Accessories Included: Tapered Stand Holder 5/8-27
 15 Ft. (5 m) Cable, Carrying Case
Net Weight: 12.2 oz (315 grams)



Frequency in Hertz



Hypercardioid M951
Unidirectional Dynamic
Professional, Studio, Stage, Vocal

Model Configurations

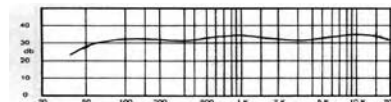
- M951F** -With Female Connector*
- M951M** - With Male Connector*
- M951X** - Without Connector

* 3 pin audio connector attached at equipment end

Produced for those who need a hand-held, high performance professional microphone. Big bass sound for close "miking", wide frequency response for crisp sound, rugged design, built-in pop filter and high output. A doubly redundant, highly damped suspension system completely isolates the cartridge from the outer case, greatly minimizing handling noise. Hypercardioid design provides front to back rejection greater than 25 db at 1 Khz. permitting higher usable output with less "howling problems" and background noise. Other features include high efficiency anti-pop filter, On-Off switch, black non-reflecting scratch resistant electroplated finish, stand holder, 15 ft. detachable cable and carrying case.

- Low Impedance
- Stand Holder
- Detachable Cable
- On-Off Switch
- Shock Mounted
- Black Satin Finish

Element: Dynamic Shock Mounted
Frequency Response: 50 - 18,000 Hz
Polar Pattern: Hypercardioid
Impedance: 250 ohm
Output Level: At 1,000 Hz
Power Level: -57 db (0 db=1 mw/10 mbar)
Open Circuit Voltage: -77 db 0.13 Mv (0 db=1 V/mbar)
Switch: On- Off
Case: Zinc Diecast
Finish: Matte Black
Dimensions: 6.5" (165 mm) long, 2.15"
 (54 mm) head diameter
Accessories Included: Tapered Stand Holder 5/8-27
 15 Ft. (5 m) Cable, Carrying Case
Net Weight: 13.5 oz (348 grams)



Frequency in Hertz



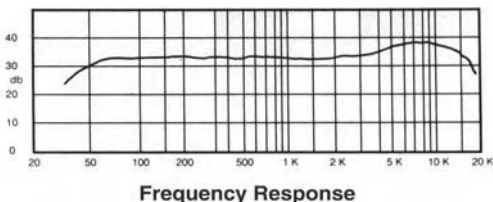
the handlers®

Professional Neodymium Ultracardioid

This new Paso Professional Product represents "State of the Art Microphone Technology" at its best. From the moment you hold the M960 in your hand you can feel the quality and the balance of this microphone. The M960 unique performance will quickly convince the most discriminating user that this is no ordinary microphone. Handling noise is virtually eliminated by placing the rugged Neodymium magnet dynamic cartridge in the exclusive Paso highly damped shock mount system. The new Leather-Touch finish provides a soft-feel with further handling noise improvement. The Ultracardioid characteristics and the wide frequency response of the M960, permit higher "usable output" with less "howling interference" and impeccable reproduction in a given environment. The higher sensitivity of the Neodymium element allows greater operating distance between the source and the microphone, eliminating "proximity effect" boominess and annoying "pops". Other features include: Rugged zinc die-cast body, dual wind/pop screen, heavy-gauge screen and gold plated connector pins.



- ❑ Neodymium Magnet with almi-chromate coating
- ❑ Ultracardioid Pattern
- ❑ Shock Mount Element
- ❑ High Output Level
- ❑ Leather-Touch non-reflectant Finish
- ❑ Dual Wind Screen
- ❑ Heavy-Duty Zinc Die-Cast Enclosure
- ❑ Rugged Outer Screen Mesh
- ❑ Wide Frequency Response
- ❑ High Unidirectional Sensitivity
- ❑ High Output Level
- ❑ High anti-pop Capability
- ❑ Integral Gold Plated Connector
- ❑ Patented Shock-Mount Stand Holder
- ❑ Detachable 15 ft. Cable with XLR
- ❑ Protective Carrying Case included



"High Output"

**PROFESSIONAL NEODYMIUM
ULTRACARDIOID
UNIDIRECTIONAL DYNAMIC
MICROPHONE**

Model Configurations

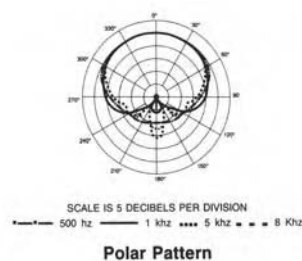
- M960F** - With Cable CV14 (female connector)*
- M960M** - With Cable CV15 (male connector)*
- M960X** - With Cable CV13 (without connector)*

* at equipment end

Element: Dynamic Shock Mounted
Magnet: Neodymium with almi-chromate coating
Frequency Response: 45-19,000 Hz
Polar Pattern: Ultracardioid
Impedance: 250 ohm nominal
Output Level: At 1,000 Hz
 (1 Pascal= 10 dynes/cm² = 10 microbars)
Power Level: -51 db (0 db=1 mW/Pascal)
Open Circuit Voltage: 2.9 Mv/Pascal
Phasing: Positive pressure on diaphragm produces a positive voltage on Pin 2 of XLR connector

Enclosure: Heavy-Duty Zinc Die-Cast
Finish: Leather-Touch TM Black
Dimensions: 172 mm (6.75") long
 55 mm (2.2") head diam.
Output Connector: Integral 3 pin XLRM gold plated
Net Weight: 310 grams (11 Oz) less cable

Accessories Included: Stand Holder, Carrying Case and 5 M. (15 Ft.) Cable with Connectors (see models above)





the handlers®

This new group ergonomics approach clearly reflects a drastic departure from conventional push-to-talk desk base microphones, projecting into the future the aesthetical form, the functional design and the ease of operation. The retractable and swiveled microphone arm (B46) permits multiple adjustments of height and yet it can be totally retracted within the base when not in use. Unidirectional pick-up characteristics reduces unwanted ambient noise and acoustic feedback problems.

Single Zone with LED



Push to talk switch & LED **B 46**

Unidirectional Electret Adjustable Desk Base Microphone

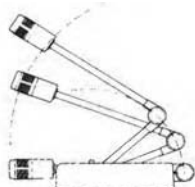
Model Configurations

B 46X - with 15 ft. Cable and no connector

A desk base unidirectional Electret microphone with integral push-to-talk switch and LED indicator. The microphone is supplied with a 15-ft. cable. The cable consists of two conductors shielded for the balanced microphone line and two conductors for an external relay or precedence control. When a 12-Volt DC supply (Phantom Power) is provided the LED indicator is illuminated in the Talk position. When used with PASO Amplifiers the amplifier Microphone Input Phantom Power illuminates the LED and powers the Microphone.

- Low Impedance
- Shock Mount Element
- Push to Talk Switch
- LED Indicator
- Retractable Arm
- 15 ft. Cable

Element:	Electret
Frequency Response:	60 - 18,000 Hz
Polar Pattern:	Unidirectional
Impedance:	250 ohm
Output Level at 1KHz:	
Power Level:	-57 db (0 db=1 mw/10 mbar)
Open Circuit Voltage:	-77 db 13 mV (0 db=1V/mbar)
Zone Switch:	1 Push to talk
LED Indicator:	Red
Cable Length:	15 ft. (5 m)
Case:	ABS
Finish:	Charcoal Blue base, Black arm
Dimensions:	Base 4¾" W., 7½" D., 1¾" H. 120 X 190 X 45 mm
Arm Lgth Extended:	18" (458 mm)
Net Weight:	2.8 Lbs (1.3 Kg)



Single Zone Gooseneck Type



Gooseneck type push to talk/push-to-lock switch **B 500X**

Unidirectional Dynamic Push to Talk and Push to Lock Desk Base Microphone

Push-to-talk, Desk Base Unidirectional Dynamic Microphone with integral push-to-talk switch and push-to-lock switch. The microphone is supplied with a 15-ft. shielded cable and is attached to the die-cast base by a female XLR Connector (the male XLR Connector is built-in the base of the Microphone). The cable consists of two conductors shielded for the balanced microphone input of a PASO Amplifier. Muting is provided by the VOX Circuit of the PASO Amplifier.

- Low Impedance
- Shock Mounted Gooseneck and Element
- Push to Talk and Push to Lock Switches
- Built-in XLR Male Connector
- Die-Cast Base with Flexible Gooseneck
- Furnished with 15 cable and XLR (at MIC end)

Element:	Dynamic	Base:	Push to Lock
Frequency Response:	60 - 14,000 Hz	Finish:	Heavy Duty Die-Cast Black
Polar Pattern:	Cardioid	Dimensions:	Base 4.5" W., 6¼" D., 2" H. (115 X 159 X 51 mm)
Impedance:	250 ohm	Gooseneck	
Output Level at 1KHz:		Length:	16.5" (413 mm)
Power Level:	-57 db (0 db=1 mw/10 mbar)	Net Weight:	3.3 Lbs (1.5 Kg)
Open Circuit Voltage:	-77 db .13 mV (0 db=1 V/mbar)		
Talk Switches:	Push to talk		

Optional Cables for the B500X

CV15B - Two conductor shielded cable with an XLR Female Connector attached on one end and an XLR Male Connector attached on the other end. Cable Length: 15 Ft. (5 m.). Color of Cable and Connectors: Black. May be used as a Microphone Extension Cable.

CV24 - Two conductor shielded cable with an XLR Female Connector attached on one end and an XLR Male Connector attached on the other end. Cable Length: 30 Ft. (10 m.). Color of Cable and Connectors: Black. May be used as a Microphone Extension Cable.

Desk Base Microphones



accessories

Microphone Accessories

Bases - Booms - Stands



A13B — Professional microphone boom. Can be adjusted and locked in any position. Black finish. Length: 32½" (83 cm). Net Weight: 2 lbs (0.9 Kg)



B10B — Compact, portable floor stand. Legs unfold with a positive quick action snap. Black finish. Legs form a 28" (72 cm) circle. Adjustable Height: 36" to 63" (92 to 160 cm). Net Weight: 6 lbs (2.8 kg).



B20B — Heavy-duty professional round base stand. Diecast heavy weight base. Removable rod. Base diameter: 9¾" (25 cm). Adjustable Height: 33" to 61½" (84 to 156 cm). Net Weight: 10 lbs (4.55 Kg).



B60B — Surface mount gooseneck flange. Standard 5/8"-27 male thread. Round type with three mounting holes. Diameter: 1¾" (45 mm). Height: ¾" (19 mm) to top of thread. Black Finish.



B70 — Heavy-duty, die-cast, large diameter gooseneck flange. Standard 5/8"-27 male thread. Round type with three mounting holes. Diameter: 2½" (64 mm). Height: 1" (26 mm) to top of thread. Black Finish.

Standard Goosenecks

GNK15B



GNK15B — Flexible gooseneck with standard 5/8"-27 threads. Mounts on any standard base or stand adapter. Top has a male thread, bottom has a female thread. Length: 15" (381 mm). Net Weight: 12 oz (400 g).. Finish is anti—reflectant black.

Stand Holders



S1 — Adjustable microphone holder. Accepts microphones with up to 1" (2.5 cm) diameter. Standard threaded brass insert. Black finish.



S12 — Anti-shock microphone holder. Drastically minimizes stand handling noise. Accepts microphones with up to 1¼" (3.1 cm) diameter. Standard threaded brass insert. Black finish.

Speaker Line Attenuators

Attenuators



VC20



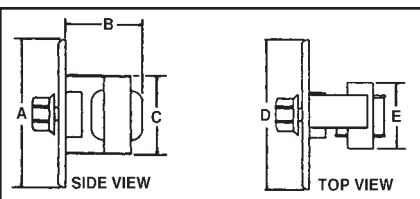
**VC35
VC100**

GENERAL PURPOSE AUTO TRANSFORMER ATTENUATORS - High quality 10, 35 and 100 watt auto transformer series provides wide frequency response, low insertion loss and reliable performance for volume control application in 25 Volt and 70 Volt systems. Attenuation rate of 3 db steps is accomplished with a non-shorting rotary switch with ten steps plus positive off position. Contacts are silver plated for noise-free operation. Selection includes one or two gang sized models with stainless steel plate, stamped and filled dial scale and skirted black knob. Available in mono configuration only.

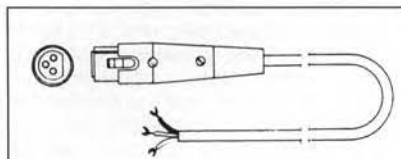
Model No.	Power Rating	Positions	Attenuation Per Step	Total Attenuation	Insertion Loss	Mounting Size
VC20	20 Watt	10-Off	3 db	30 db	.4 db	1 Gang
VC35	35 Watt	10-Off	3 db	30 db	.4 db	2 Gang
VC100	100 Watt	10-Off	3 db	30 db	.6 db	2 Gang

DIMENSIONAL SPECIFICATIONS

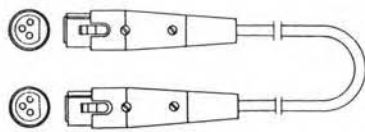
Model	A	B	C	D	E
VC20	4½" (114mm)	2-1/8" (54 mm)	1½" (38mm)	2¾" (70 mm)	1¾" (45 mm)
VC35	4½" (114 mm)	2-5/16" (59 mm)	1¾" (45 mm)	4½" (116 mm)	2" (51 mm)
VC100	4½" (114 MM)	2-5/8" (67 mm)	2" (51 mm)	4½" (116 mm)	2½" (64 mm)



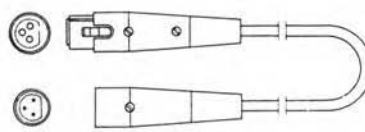
Prewired Microphone Cables



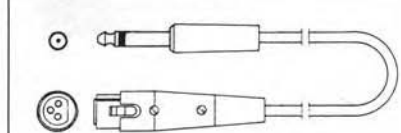
CV13 — Two conductor shielded cable with XLR female connector attached on one end and bare, stripped and tinned conductors on the other end. Cable Length: 15 Ft. (5 m). Color of cable and connector: Black.



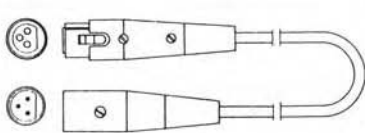
CV14 — Two conductor shielded cable with two XLR female connectors attached on both ends. Cable Length: 15 Ft. (5 m). Color of cable and connector: Black.



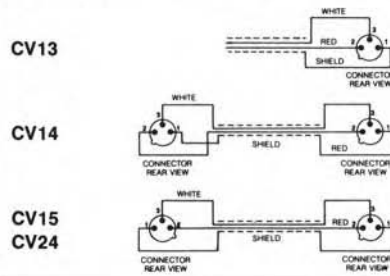
CV15 — Two conductor shielded cable with XLR female attached on one end and XLR male attached on the other end. Cable Length: 15 Ft. (5 m). Color of cable and connector: Black. May be used as a microphone extension cable.



CV16 — Two conductor shielded cable with XLR female attached on one end and 1/4" (6.3 mm) male plug attached on the other end. Cable Length: 15 Ft. (5 m). Color of cable and connector: Black.



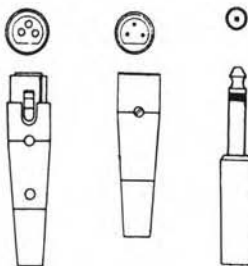
CV24 — Two conductor shielded cable with XLR female attached on one end and XLR male attached on the other end. Cable Length: 30 Ft. (10 m). Color of cable and connector: Black. May be used as a microphone extension cable.



Microphone Wall Plate



WMP-3F — Female XLR connector mounted on a wall mount plate. Size: Standard single gang plate. Connector: XLR female with lock. Plate: Brushed stainless steel. Plate Size: 4 1/2" (115 mm) H., 2 3/4" (70 mm) W. Depth: 1 1/4" (32 mm). Complete with two mounting screws.



25/59CN 25/92CN 25/99

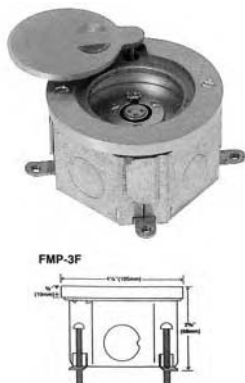
25/59CN — Female XLR connector with lock. Black finish.

25/92CN — Male XLR connector. Black finish.

25/99 — Standard phono plug 1/4" (6.3 mm).

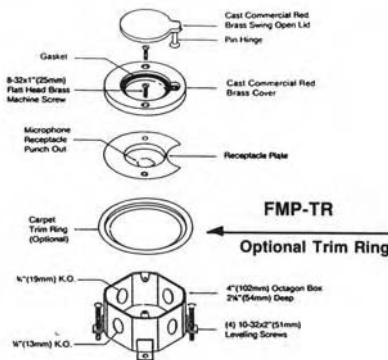
Connectors

Microphone Floor Receptacle



Dimensional Drawing

FMP-3F - Microphone receptacle floor box and movable cover. Heavy-duty brass cast with brush finish. Cover easily lifts and swings to the side on a pin hinge and then falls into a closed position when not in use. The XLR female connector is already installed on a spun aluminum plate. Four leveling legs are provided and welded onto the 4" (102 mm) octagon box. A matching trim ring (model FMP-TR) is available as an optional accessory for installation in a floor area covered with carpeting. Cable knock-outs are provided on four sides for easy connection. Supplied with a standard octagon box.



EXPLODED DIAGRAM

Microphone Accessories