

AKG[®]
by HARMAN

Discreet Acoustics
Modular PLUS Series



GOOSENECK MICROPHONES



MODULES FALLING INTO PLACE

Gooseneck microphones are often overlooked, but they are high-performing electro-acoustic devices which carry out difficult work discreetly and reliably. They have to function flawlessly in demanding situations with very different, often inexperienced speakers. Yet at the same time they have to deliver perfect speech clarity. AKG Discreet Acoustics Modular Series microphones have been in continuous use at international meetings, conferences and summits, in parliaments and in churches for decades and are recognized as an industry standard.

Depending on the specific purpose, special requirements can often only be fulfilled by modular systems. The Discreet Acoustics Modular Series is renowned worldwide for its durability, reliability and flexibility.

Modularity: The AKG Discreet Acoustics Modular Series offers a choice of interchangeable capsule modules with different polar patterns and frequency responses. A wide range of goosenecks and installation modules is also available. In addition, there are special-purpose modules for applications not covered by any other available products. They can be used in conjunction with wireless systems as well as with AKG's digital conference system CS5. Their rapidly changeable capsules not only allow optimal adaptation to different rooms and speakers but also enable quick microphone capsule exchange if, in exceptional circumstances, anything should go wrong.

Reliability: A wide range of features minimizes the risk of operating errors, material fatigue, or signal dropouts. The LED ring and self-

POWERING MODULES





cleaning gold-plated contacts for the threaded connections are standard, as are anti-twist cables and a switchable bass roll-off filter.

Low profile: The extremely compact design and matte finish underscore the inconspicuous appearance of the Discreet Acoustics Modular Series. The low-profile installation modules ensure quick setup and takedown of all versions of the series. Excellent response and extremely good intelligibility make the Discreet Acoustics Modular Series the first choice whenever quality and reliability have top priority. Small wonder that decision makers all over the world appreciate AKG as a professional partner. Targeting the premier league of the installation market, the further development of the Discreet Acoustics Modular Plus Series means that literally everything became even better. Its slimmer design and

improved audio quality are a perfect fit in the high-end market. An additional interface between gooseneck module and phantom power adapter means added modularity and flexibility, resulting in significant advantages throughout the distribution chain, where fewer variations need to be stocked. Moreover, installers will receive the required products faster and the added modularity and new accessories will enable solutions for applications never before dreamed of. With just a few components on hand, the Discreet Acoustics Modular Series allows a nearly unlimited number of combinations.

The Discreet Acoustics Modular Plus Series is the logical evolution of AKG's Modular Series. It brilliantly fulfills all essential requirements for professional sound system applications. It is quick, reliable and available – and it works perfectly for you!

MOUNTING MODULES

CAPSULE MODULES



BOOST THE VALUE OF YOUR INSTALLATION



ADDED USABILITY: LED RING

All installation modules feature an LED ring which uses special circuitry to operate off standard phantom power. Two separate leads carry the supply voltage and provide extra shielding to the audio signal. The LED ring has the following modes:

System standby: In this factory default mode the LED ring glows dimly to indicate that the system has been wired correctly and phantom power is on. The operator will know at a glance whether the hardware has been installed correctly. There is no need to test each microphone.

Mic On: When powered from an external supply in combination with the phantom power adapter, the PAE5 M or in combination with the AKG conference system, the LED ring can be configured so that it will only light brightly when the microphone is on.

Off: If none of the above functions is desired, the LED ring can be deactivated. In this mode it is practically invisible.



ADDED VISIBILITY: LED ENLARGER

In the Mic On mode it is sometimes necessary that the LED can be seen clearly from all parts of the room. As the integrated LED is fairly discreet, a special tool is needed to make this happen. Therefore all gooseneck modules include an additional LED enlarger as a standard accessory. This little plastic ring slips over the LED windows to enhance the visibility of the light signal.



ADDED MODULARITY: INTERFACE MODULES

This ingenious interface between gooseneck module and phantom power adapter adds flexibility to all mounting modules and helps save costs in stock-keeping. The self-cleaning connector is absolutely reliable, inconspicuous and safe. In case of a change in application requirements, it is a valuable tool. If you need to add an On/Off-button there is no need to buy a completely new microphone – just change the phantom power adapter.



ADDED RELIABILITY: GOOSENECK MODULES

A high-quality gooseneck bends precisely into the desired shape and is resistant to inadvertent readjustment. This stability of shape depends entirely on consistent resilience of the springs inside the gooseneck. Therefore all Discreet Acoustics Modular Plus Series Gooseneck Modules are subjected to a rigorous quality test during which they are bent into extreme shapes which they must keep until bent again. Any gooseneck that does not pass this test is rejected.



ADDED QUALITY: CAPSULE CONTACTS

The size of the contact area between the microphone capsule and the gooseneck is of crucial importance for the reliability of the entire installation. Instead of failure-prone conventional point contacts, all Discreet Acoustics Modular Plus Series products use large, self-cleaning gold-plated contacts that engage in groove-and-tongue fashion. In addition, a hard, rugged thread stabilizes the joint. The extremely deep groove of the thread prevents misalignment and ensures a long useful life of all Discreet Acoustics Modular Series products even if they are used in installations that are frequently reconfigured, or in mobile systems.



ADDED INTELLIGIBILITY: CAPSULE MODULES

AKG has specialized in building microphone capsules for more than six decades. One of the most sophisticated AKG capsules technologies – the so-called staple capsule – is used in the legendary C747. For many years this microphone was used in recording studios, theaters, churches and broadcast stations and became industry standard in the conference market. This capsule technology allows an outstanding fine-tuning process during manufacturing, resulting in very tight tolerances and extraordinarily accurate frequency response. The result is always audio at its best!

This enhanced version of the C747 features gold plated contacts (1), direct contact between capsule and PCB (3), and a special plastic coating (2) for better signal transmission and low sensitivity to humidity. A special integrated RFI-Shield from the powering module to the metal dust screen (4) protects the microphone efficiently against electromagnetic interference (e.g. from mobile phones).

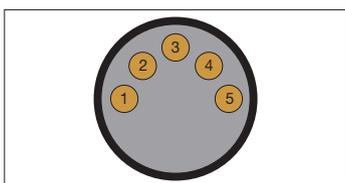


ADDED INGENUITY: ESP MODULE

The unique ESP phantom power module comes with a microprocessor, allowing the module to be programmed to a wide range of operating modes. A rotary switch recalls several functional presets easily. Thus the installer can, for example, activate a 200Hz bass roll-off if needed or set the LED ring to ON/OFF mode on the fly. Since the switch is hidden safely inside the adapter's case it cannot be realigned unintentionally. The table below shows all possible operating modes available.

| POS. | LED | BASSCUT | SWITCH |
|------|-----|---------|--------------|
| 0 | off | off | on/off |
| 1 | off | off | push to talk |
| 2 | off | off | push to mute |
| 3 | off | off | – |
| 4 | off | on | on/off |
| 5 | off | on | push to talk |
| 6 | off | on | push to mute |
| 7 | off | on | – |

| POS. | LED | BASSCUT | SWITCH |
|------|-----|---------|--------------|
| 8 | on | off | on/off |
| 7 | on | off | push to talk |
| A | on | off | push to mute |
| B | on | off | – |
| C | on | on | on/off |
| D | on | on | push to talk |
| E | on | on | push to mute |
| F | on | on | – |



ADDED CONNECTIVITY: 5-PIN POWERING

The 5-pin XLR connector allows the audio signal and control voltage for the LED ring to be fed separately. Connector pin out:

1: Audio ground, 2: LED ring +, 3: Audio in phase, 4: LED ring –, 5: Audio return



CK49

REFERENCE SHOTGUN
CONDENSER CAPSULE



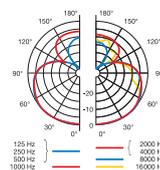
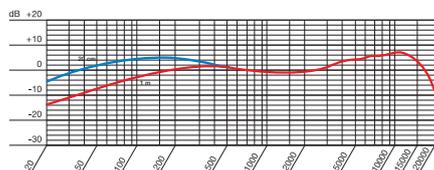
LECTERN AND AMBO PRESENTATION THEATER

The CK49 is a reference condenser capsule with an 80° pickup angle and clean off-axis response. It is an ideal tool for inexperienced speakers; when people talk into the microphone from greater distances it focuses on the voice, and when they talk into it from very short distances it reduces pop-noise. Its special capsule is a further development of the legendary CK47 capsule. Like its predecessor, it is designed using AKG's unique staple technology for brilliant studio-quality audio performance.

The CK49 capsule is integrated into an extremely slim and rugged metal housing. It fits all gooseneck modules of the Modular Plus Series as well as the HM1000 M hanging module. To prevent contact problems the capsule is equipped with large-area, self-cleaning, gold-plated contacts with deep threads to prevent misalignment and ensure extra-long life. The CK49 comes complete with a windscreen that efficiently reduces wind and pop noise.

- **Tight, hypercardioid polar pattern**
eliminates noise from the sides
- **80° pickup angle**
for inexperienced speakers and greater distances
- **Sophisticated staple capsule technology**
for studio-quality audio performance
- **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life
- **Highly efficient windscreen**
reduces wind and pop noise

Included accessories: Windscreen
Item Number: CK49 3165Z00030





CK43

REFERENCE
CONDENSER CAPSULE



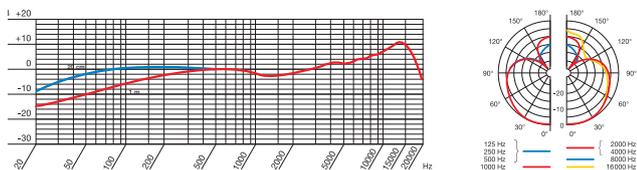
THEATER AND ONSTAGE MIKING HOUSES OF WORSHIP PARLIAMENTS

The CK43 is a reference supercardioid condenser capsule with studio-quality audio performance. Due to the narrow 95° pickup angle, the supercardioid polar pattern is a good choice for all situations when unwanted noise typically arrives from the sides (e.g. in places of worship) and where people talk into the microphone from greater distances.

The CK43 capsule is integrated into an extremely slim and rugged metal housing. It fits any mounting module of the Modular Plus Series. To prevent contact problems the capsule is equipped with large-area, self-cleaning, gold-plated contacts with deep threads, which prevent misalignment and ensure extra-long life. The CK43 comes complete with a highly efficient windscreen.

- **Supercardioid polar pattern**
eliminates noise from the sides
- **95° pickup angle**
perfect when people talk from greater distances
- **Sophisticated staple capsule technology**
for studio-quality audio performance
- **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life
- **Wide frequency range**
for a speech-optimized audio performance

Included accessories: Windscreen
Optional accessories: W40 M Wire-mesh windscreen
Item Number: CK43 3165Z00020



CK41

REFERENCE
CONDENSER CAPSULE



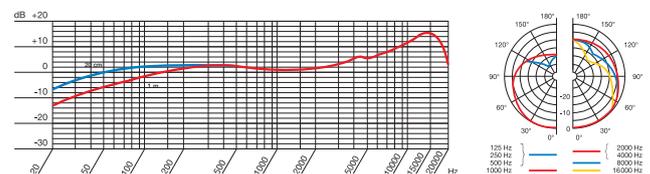
ROUND TABLE DISCUSSIONS PRESS CONFERENCE VIDEOCONFERENCE

The CK41 is a reference condenser capsule with a wide cardioid polar pattern and a speech optimized frequency response. The cardioid is the most popular polar pattern, since it can be used almost universally. The 125° pickup angle is especially suited for inexperienced or very vivacious speakers as well as applications where more than one person uses the microphone in turn.

The CK41 capsule is integrated into an extremely slim and rugged metal housing. It fits any mounting module of the Modular Plus Series. To prevent contact problems, the capsule is equipped with large-area, self-cleaning, gold-plated contacts with deep threads to prevent misalignment and ensure extra-long life. The CK41 comes complete with a highly efficient windscreen.

- **Cardioid polar pattern**
eliminates noise from the rear side
- **125° pickup angle**
for inexperienced or very vivacious speakers
- **Sophisticated staple capsule technology**
for studio-quality audio performance
- **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life
- **Wide frequency range**
for a speech-optimized audio performance

Included accessories: Windscreen
Optional accessories: W40 M Wire-mesh windscreen
Item Number: CK41 3165Z00010





GN15,30,50 M

REFERENCE
GOOSENECK MODULE

DISCUSSION SYSTEMS LECTERN AND ALTARS PRESS CONFERENCES

The Modular Plus Series premium gooseneck modules for permanent and mobile installation are available in three different lengths: 15cm (6in), 30cm (12in) or 50cm (20in). The extremely slim and rugged gooseneck modules feature an LED ring which indicates whether the phantom power is on or off. A special light-ring expander comes with every Modular Plus gooseneck module to improve the visibility of the LED ring if necessary.

For quick setup and maximum flexibility all gooseneck modules come with a Modular Plus Series system connector. This high quality connector with gold-plated contacts reliably fits all available phantom power modules. The gooseneck module is compatible with all Modular Plus Series capsules, CK41, CK43, CK49 via self-cleaning contacts. Their extremely deep thread groove prevents misalignment and ensures a long useful life of all Modular Plus components.

- **Extremely rugged gooseneck construction**
for an extra-long life of reliability and stability
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life
- **Integrated switchable LED ring**
to show system status
- **Integrated system connector**
helps saving costs in stock keeping
- **Broad assortment of mounting accessories available**
for quick and hassle-free installation

Included accessories: LED ring expander

Item Number:

| | | |
|--------|------------|----------------|
| GN15 M | 3165Z00080 | 150mm (6.5in) |
| GN30 M | 3165Z00090 | 300mm (11.6in) |
| GN50 M | 3165Z00100 | 500mm (20in) |



GN155 M
 REFERENCE
 GOOSENECK FLOOR STAND



HM1000M
 REFERENCE
 HANGING MODULE

HOUSES OF WORSHIP CHOIR RECORDING PRESENTATION

The GN155 M is a reference 155cm (4ft, 11in) gooseneck module with a heavy, shock-mounted floor stand. It works perfectly as a stand-alone unit on stages or placed in front of a lectern as well as for pickup of violins and other instruments. An integrated light-ring shows the status of the microphone at a glance. A special light-ring expander comes with every Modular Plus gooseneck module to improve the visibility of the LED ring if needed.

The GN155 M has an attached 10m (33ft) cable with a Modular Plus Series system connector, fitting all available phantom power modules. The gooseneck module is compatible with all Modular Plus Series capsules, CK41, CK43, CK49 via highly reliable contacts.

THEATER AND ONSTAGE MIKING HOUSES OF WORSHIP BROADCAST STUDIO

The HM1000 M is a reference hanging module compatible with all capsules of the Modular Plus Series (CK41, CK43 and CK49). It is used to fly microphones from the ceiling to record music or speech in places of worship or conference rooms, or on theater stages. An integrated switchable light-ring shows the status of the microphone at a glance. A special light-ring expander comes with every Modular Plus hanging module to improve the visibility of the LED ring if necessary.

The HM1000 M provides a 10m (33ft) special cable that will not tend to twist, even if the temperature varies. A spring steel hanging clamp for precise microphone alignment is also included in the package. The integrated system connector fits all available phantom power modules of the Modular Plus Series.

- **Elegant, low profile floor stand**
fitting ALL environments
- **Integrated switchable LED ring**
to show system status
- **Extremely rugged gooseneck construction**
for an extra-long life of reliability and stability
- **Quick-absorbing rubber shock mount**
for optimum suppression of structure-borne noise
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life

Included accessories: LED ring expander, Floor stand
Item Number: GN155 M 3165H00240

- **Twist-free 10m cable included**
to fix and secure the designated mic position
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life
- **Spring clamp for vertical adjustment**
allows quick and hassle-free installation
- **Integrated switchable LED ring indicator**
for full control of the installation status
- **Ingenious system connector interface**
adapter adds flexibility to all mounting modules

Included accessories: Hanging clamp, LED ring expander
Item Number: HM1000 M 3165H00250



PAESP M

REFERENCE PROGRAMMABLE
POWERING MODULE

SMALL DISCUSSION SYSTEMS PRESS CONFERENCE LECTERN

The Modular Plus Series PAESP M is a programmable phantom power module for fixed and mobile installation. With its wide voltage range the module will fit most available microphone mixers. It comes with a unique BCD (binary coded decimal) switch to recall one of the operating modes. Several functions can be adjusted, e.g. bass roll off, LED ring mode (on, off, follow mic function) as well as the mic switch mode (push to mute, push to talk, push on – push off).

The PAESP M features a completely noiseless microphone switch. Rather than actually disconnecting the signal, it reduces the level by 26dB, thus avoiding the irritating crackling sound when phantom powering is interrupted. The switch is inconspicuously placed but easily accessible for simple handling even by inexperienced talkers. The integrated system connector with gold-plated contacts securely fits all available mounting modules of the Modular Plus Series.

- **Programmable on/mute/off switch**
offers noiseless switching
- **Selectable operating modes**
for switchable bass roll off and light-ring function
- **RFi Shield technology**
provides high immunity to radio-frequency interference
- **Accepts 9-52V input**
for almost any available mixer inputs
- **Feeds all Modular Plus Series capsules**
for highest flexibility

Item Number: PAESP M 3165H00170



PAE5 M
 REFERENCE POWER MODULE
 TO COMBINE WITH AUTOMIXERS

**PODIUM DISCUSSIONS
 HOUSES OF WORSHIP
 BROADCAST STATIONS**

The PAE5 M reference phantom power module for fixed and mobile installation provides a five-pin XLR connector that allows the audio signal and the control voltage for a LED ring to be fed separately. Thus, the LED ring can be activated remotely by, for example, a 12-48V logic output from any automatic mixer to show the “mic on” status. With its wide voltage range the module will fit most available microphone mixers.

The PAE5 M features a bass roll off for reduction of structure-borne noise. Its integrated system connector with gold-plated contacts securely fits all available gooseneck modules of the Modular Plus Series as well as the HM1000 M hanging module.

- **Extra feeding of LED ring to show Mic status**
for use with automixers including logic outputs
- **Switchable bass rolloff**
for reduction of body noise and proximity effect
- **Highly reliable contacts to mounting modules**
prevent contact problems and ensure extra-long life
- **RFi Shield technology**
provides high immunity to radio-frequency interference
- **Feeds all Modular Plus Series capsules**
for highest flexibility

Item Number: PAE5 M 3165H00160



PAE M
 REFERENCE
 POWERING MODULE

**HOUSES OF WORSHIP
 CONFERRING
 THEATERS**

The PAE M reference phantom power module for fixed and mobile installation provides a gold-plated three-pin XLR connector. With its wide voltage range the module will fit most available microphone mixers. The module also features a 250 Hz bass roll off for reduction of structure-borne noise.

The PAE M comes with an integrated system connector with gold-plated contacts. This unique connection securely fits all available gooseneck modules of the Modular Plus Series as well as the HM1000 M hanging module.

- **Feeds all Modular Plus Series capsules**
for highest flexibility
- **RFi Shield technology**
provides high immunity to radio-frequency interference
- **Accepts 9-52V input**
for almost any available mixer inputs
- **Switchable bass roll off**
for reduction of body noise and proximity effect
- **Highly reliable contacts to mounting modules**
prevent contact problems and ensure extra-long life

Item Number: PAE M 3165H00150

MOUNTING MATERIAL, CABLES AND ACCESSORIES



MF M

The MF M is a flush-mount module that efficiently reduces body noise from tables. Its slim design can integrate each powering module of the Modular Plus Series and allows the microphones to be detached when not in use. A special blind cap seals the connector outlet, leaving an attractive flush interface in the table and simultaneously sealing the connector to protect it against dust.

Item Number: MF M 3165H00220



H600

The H600 is a flush-mount module that offers optimum attenuation of structure-borne noise. Its two different diameters offer highly flexible mounting options. The H600 offers a unique theft-proof lock and is ideal for use with the PAESP M (powering module with programmable switch) in combination with GN15 M and GN30 M goosenecks modules. Required mounting hole: 53mm (2.1in).

Item Number: H600 2426X00030



H500

The H500 is a shock mount for gooseneck microphones. It is the most cost-efficient solution, ideal for easy installation and takedown of sound systems. The construction is designed to hold even longer goosenecks such as the GN50 M.

The H500 requires a mounting hole of 50mm (2in).

Item Number: H500 6000H01900



ST45 (+SA60)

The ST45 is a reference table stand for easiest installation and takedown of mobile sound systems. It is made of one solid piece of metal which gives it a firm stand on every table. The massive base plate and special shock-absorbing rubber feet effectively eliminate footfall noise. The ST45 table stand can be teamed up with the SA60 stand adapter for use with all Discreet Acoustics Modular Plus Series powering modules.

Item Number: ST45 6000H03080



ST1 (+SA60)

The ST1 is a professional table stand for uneven surfaces, where the ST45 base plate cannot be used. It's easy to fold and due to its small dimensions and its light weight it is ideal to store and transport. The ST1 perfectly teams up with the SA60 stand adapter for use with all Discreet Acoustics Modular Plus Series powering modules.

Item Number: ST1 6000H04200



SA60

The SA60 is a professional stand adapter for use with straight-shaft microphones. It perfectly fits all Modular Plus powering modules and is compatible with both ST1 and ST45 table stands.

Item Number: SA60 6000H60010



MK150 M

The MK150 M is a reference extension cable for fixed and mobile installations. The cable is equipped with the Modular Plus system connector and excellently fits all mounting and powering modules. The metal housing, gold-plated contacts and deep, rugged thread prevent contact problems and ensure extra-long life. The MK150 M comes with a cable length of 150cm.

Item Number: MK150 M 3165H00260



MK150 ML

The MK150 ML is a reference connection cable to combine microphones of the Modular Plus Series with any AKG body-pack transmitter. It enables all Modular Plus microphones to be operated wirelessly. One side of the cable is equipped with the unique Modular Plus system connector, fitting all mounting modules of the series. The other side of the cable ends in a professional 3-pin mini XLR connector. At 150cm the cable is long enough to reach a safe point in a mobile lectern table and short enough to be inconspicuous on the GN155 M.

Item Number: MK150 ML3165H00270



UWA9 M

The UWA9 M is a holder for wireless body-pack transmitters. It fits perfectly on the GN155 M floor stand gooseneck module. In combination with the MK150 ML it creates a wireless floor stand microphone for presentations or for choir and instrumental recording. The rugged metal plate is covered with foam to prevent scratching the transmitter housing. A universal Velcro strip is used to hold any AKG wireless body-pack transmitter.

Item Number: UWA9 M 3165H00280



W40 M

The W40 M is a reference windscreens with the highest performance in its class. Two layers of mesh and a combination of foam reduce wind and pop noise to a minimum. Its rugged wire-mesh grill securely protects the microphone even under rough day-to-day usage. The W40 M is compatible with the CK41 and CK43 capsules from the Modular Plus Series.

Item Number: W40 M 3165H00290

APPLICATION EXAMPLES



VIDEO CONFERENCE

In videoconferencing, unobtrusiveness of the sound system is a major issue. The Modular Plus Series GN15 M module perfectly fulfills this key requirement. In combination with the PAE5 M powering module it can do even more. The 5-pin XLR connector has 2 separate feeds for the microphone's light ring. Thus it can be remotely controlled by an auto-mixer logic output to clearly indicate the microphone's on/off status. The H600 effectively reduces rumble noise that is transmitted via the table.



CK41 REFERENCE CARDIOID CONDENSER CAPSULE
especially suited for inexperienced or very “vivacious” talkers

INTEGRATED SWITCHABLE LED RING
to show system status

GN15 M GOOSENECK MODULE
extremely slim and rugged

PAESP M PROGRAMMABLE POWERING MODULE
with integrated noiseless On/Off switch

SA60 STANDADAPTER
securely holds the gooseneck microphone in place

ST45 REFERENCE TABLE STAND
for easy installation and takedown



PRESS CONFERENCE

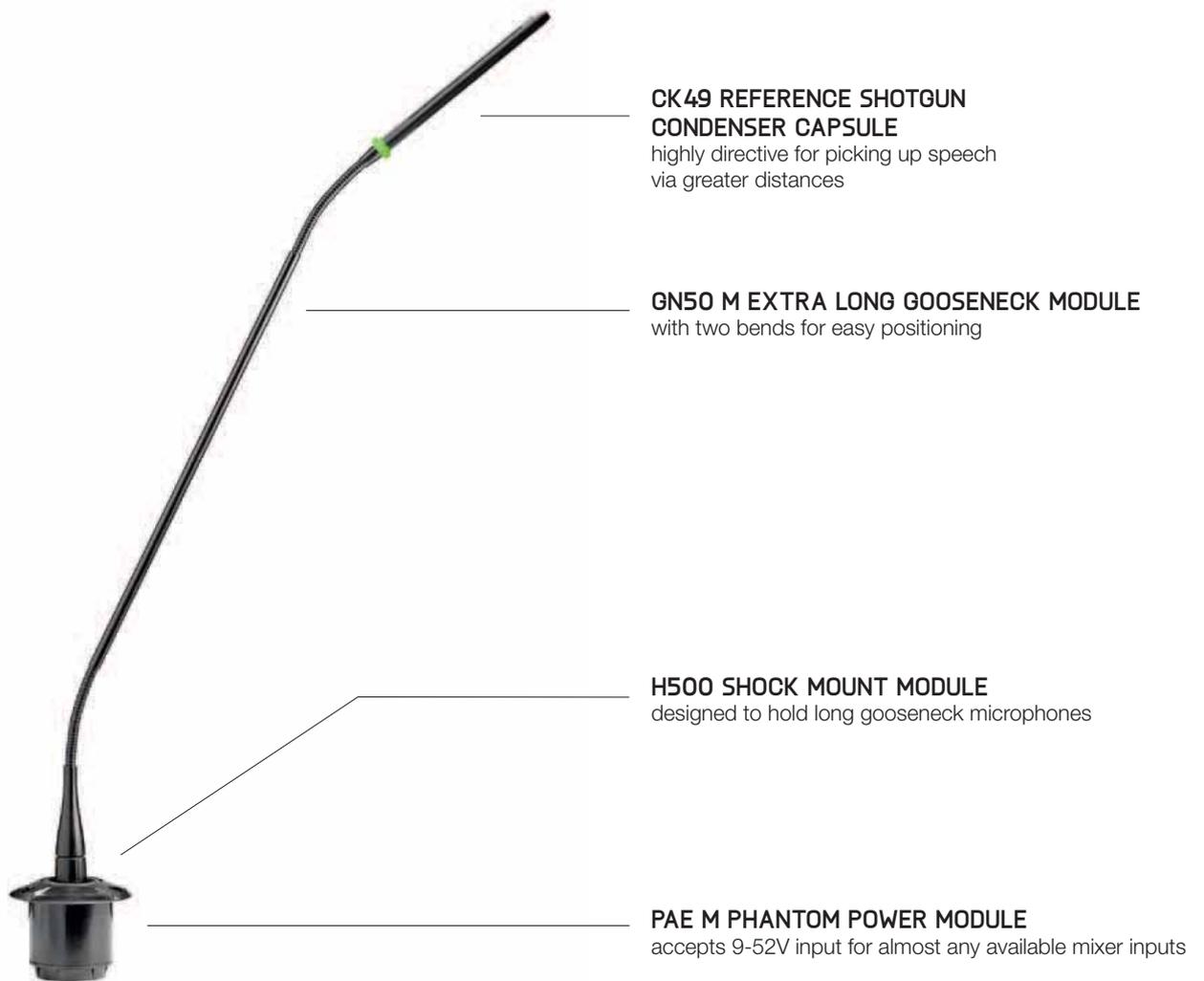
Whenever quick setup and takedown is needed a mobile sound system is required. The PAESP M powering module is probably the world’s smallest available discussion system. It can easily be programmed to different operating modes and offers an easy-to-use, noiseless microphone switch. The cardioid polar pattern of the CK41 cancels out unwanted noise from the audience while the ST45 provides a firm, stable stand. Five minutes after the show, all components are stored and the table is wiped clean.

APPLICATION EXAMPLES



PARLIAMENT

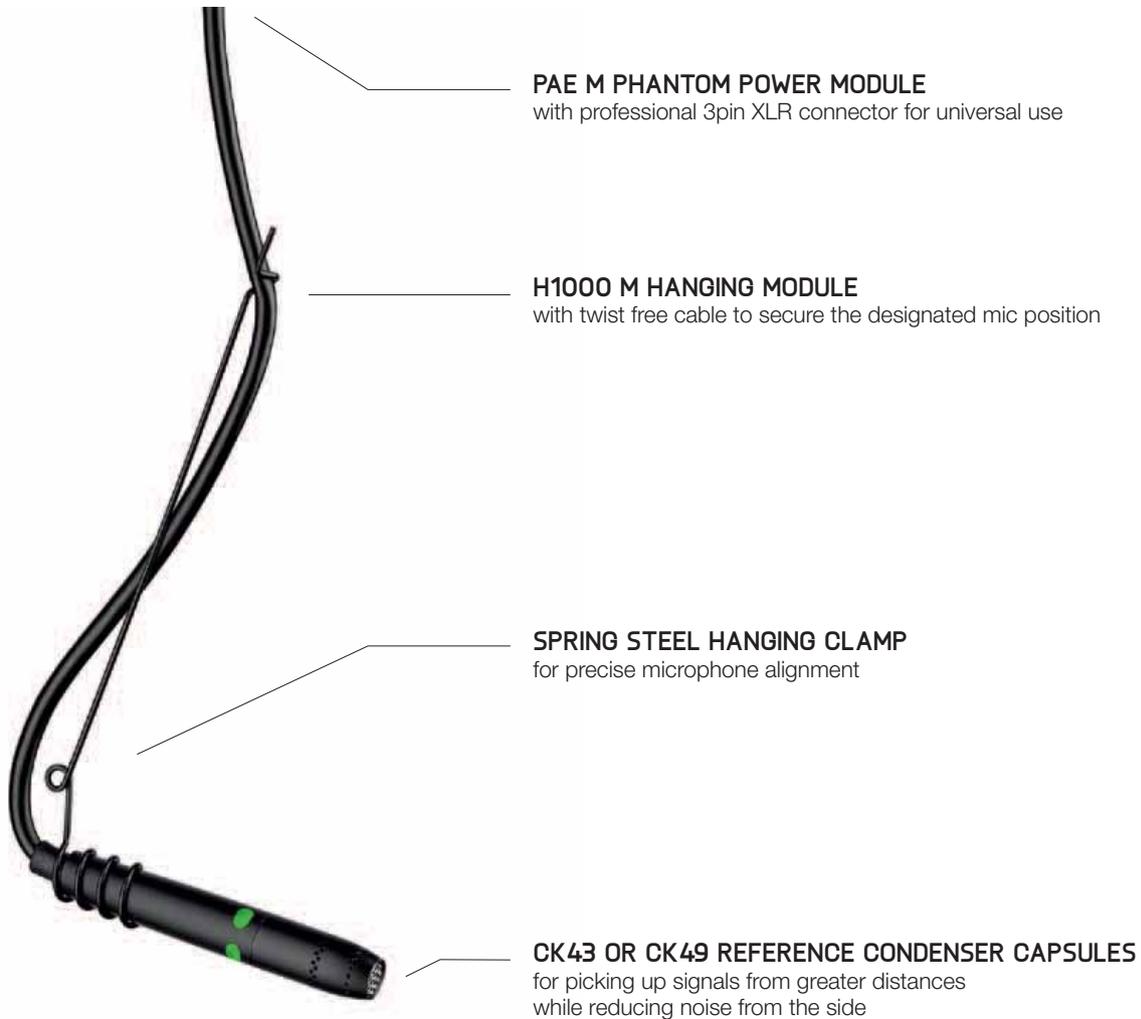
When it comes to political discussion, every word counts. Therefore it's important to have the mic at the right spot. A GN30 M gooseneck module allows the microphone to be placed right in front of the speaker's mouth, and the CK43 supercardioid polar pattern will focus on the message. The gooseneck is best combined with a PAE M powering module. To provide extra visibility to the mic on LED, the light ring expander can be applied. The MF M flush mount mounting module provides exceptional body noise reduction and a rugged connection to the gooseneck microphone.



LECTERN

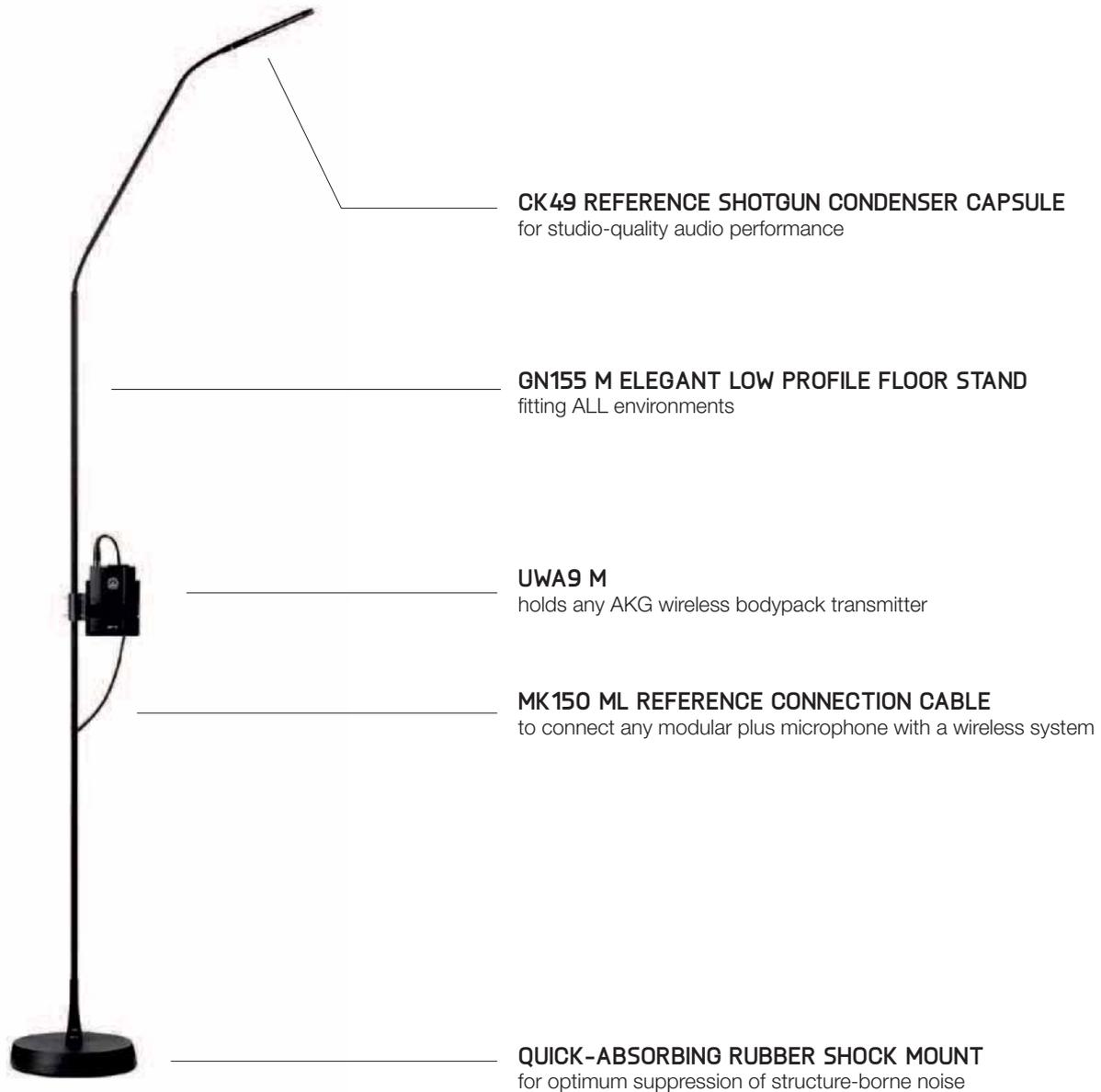
The 50cm-long GN50 M gooseneck module is the perfect choice for standing speakers, e.g. placed in front of a lectern. In combination with the extremely directional CK49 it is a great solution for inexperienced and agile presenters. A H500 is the optimum mounting accessory as it will easily support the long gooseneck microphone while offering optimum suppression of any structure-borne noise. If you like to use two microphones on one lectern, please do not forget to connect it to an automatic mixer (e.g. a digital DMM) in order to get rid of comb filter effects and to reduce feedback.

APPLICATION EXAMPLES



THEATER

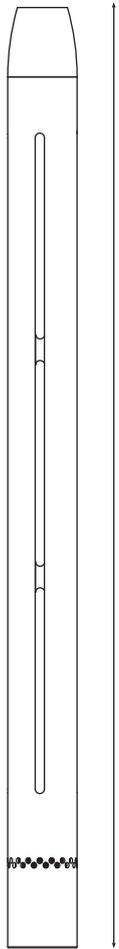
A hanging microphone installation is a good choice for applications where the microphones should not be seen and still should pick up the ambient sound. The HM1000 M offers a twist-free cable and ensures that the microphone stays in place. The light ring offers information on the system status even from a distance. A supercardioid polar pattern helps it to focus on the sound from the stage and reduce the pickup of noise from the audience. If more focus is needed, the capsule can easily be exchanged with the CK49 shotgun. To reduce the number of open microphones the use of an automatic microphone mixer is recommended.



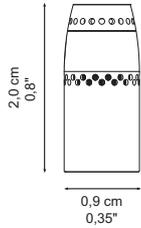
WIRELESS PRESENTATION

Where it's not possible to install cables, a wireless microphone system does a great job. Unfortunately, in the past most of these microphones needed to be hand-held or worn close to the body. The Modular Plus Series GN155 in combination with a body-pack transmitter offers the best of both worlds. Hands-free, no effort in mounting lavalier or head-worn mics, and a discreet optical approach. The floor stand mic can be set up and removed in the blink of an eye and is a truly unique solution equaled by no other.

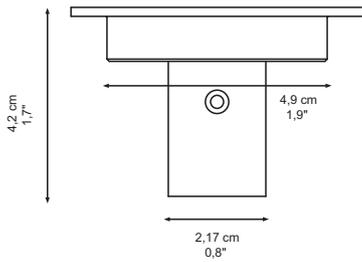
DIMENSIONAL DRAWINGS



12,2 cm
4,4"



CK41/CK43



M MFM

0,9 cm
0,35"

CK49



6,5 cm
2,56"

1,9 cm
0,75"

PAE M



6,5 cm
2,56"

1,9 cm
0,75"

PAE5 M



10,1 cm
3,96"

1,9 cm
0,75"

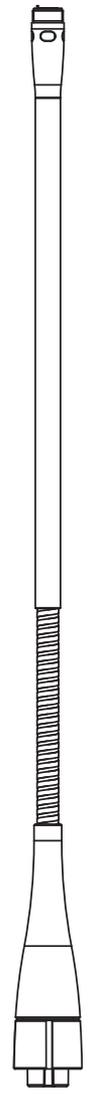
PAESP M



16,5 cm
6,5"

1,9 cm
0,75"

GN15 M



29,5 cm
11,5"

1,9 cm
0,75"

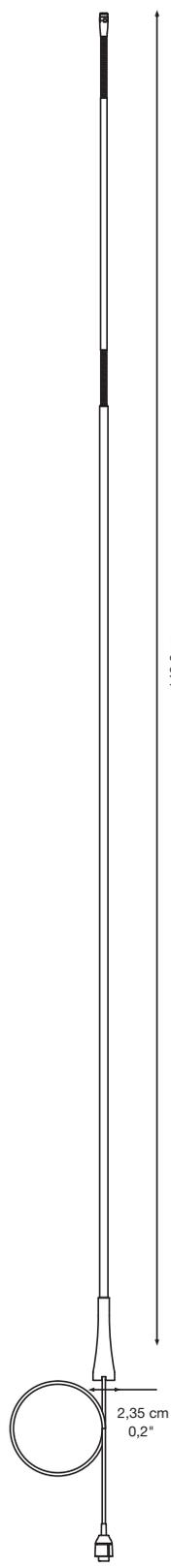
GN30 M



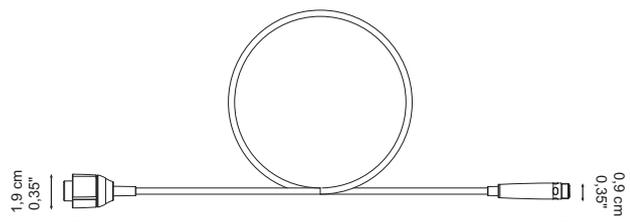
50 cm
20"

1,9 cm
0,75"

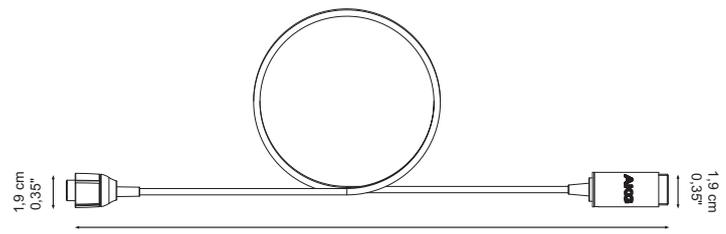
GN50 M



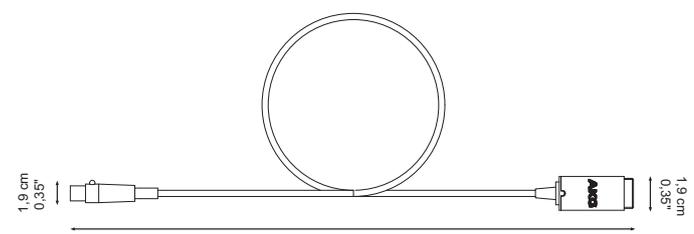
GN155 M



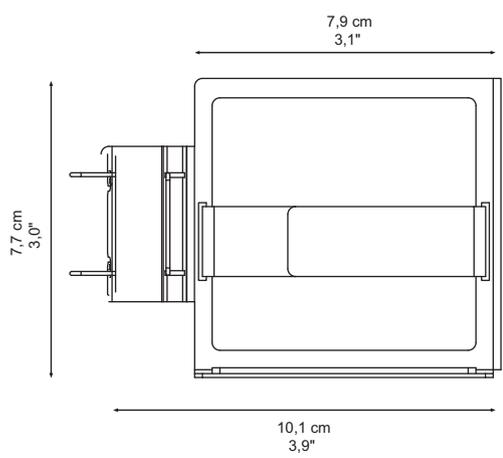
HM1000 M



MK150 M



MK150 ML



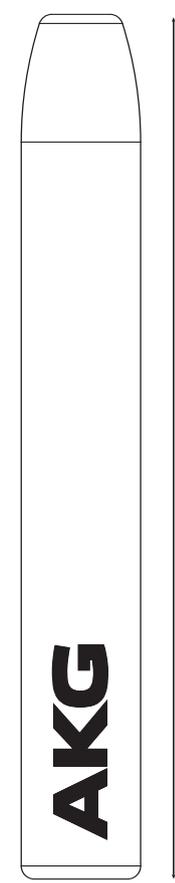
UWA9 M



W40 M



W40



W49

COMPARISON CHART

| | Polar Pattern | Frequency Bandwidth (-6dB) | Sensitivity | Max. SPL for 3% THD | Equivalent Noise Level (IEC 60268-4) | Signal/Noise Ratio (A-weighted) | Diameter | Height | Finish | Net Weight |
|-------------|---------------|----------------------------|-------------|---------------------|--------------------------------------|---------------------------------|----------------|-----------------|-------------|------------------|
| CK41 | cardioid | 60-22000 Hz | 5 mV/Pa | 142 dB | 30 dB-A | 64 dB-A | 9 mm (0.35 in) | 20 mm (0.79 in) | matte black | 3,9 g (0.14 oz) |
| CK43 | supercardioid | 80-21000 Hz | 5 mV/Pa | 142 dB | 30 dB-A | 64 dB-A | 9 mm (0.35 in) | 20 mm (0.79 in) | matte black | 3,9 g (0.14 oz) |
| CK49 | hypercardioid | 60-20000 Hz | 10 mV/Pa | 136 dB | 30 dB-A | 64 dB-A | 9 mm (0.35 in) | 20 mm (0.79 in) | matte black | 24,5 g (0.88 oz) |

| | Diameter Gooseneck | Diameter Connector | Total Length | Number of flexibel parts | Length of fixed part | LED Ring | Cable Length | Finish | Net Weight |
|-----------------|--------------------|--|--------------------|--------------------------|----------------------|----------|----------------|-------------|-------------------|
| GN15 M | 6 mm (0.24 in) | 9 mm top (0.35 in) 11,3 mm bottom (0.44 in) | 160 mm (6.3 in) | 1 | 25 mm (0.98 in) | + | | matte black | 77 g (2.71 oz) |
| GN30 M | 6 mm (0.24 in) | 9 mm top (0.35 in) 11,3 mm bottom (0.44 in) | 295 mm (11.61 in) | 1 | 165 mm (6.5 in) | + | | matte black | 94 g (3.31 oz) |
| GN50 M | 6 mm (0.24 in) | 9 mm top (0.35 in) 11,3 mm bottom (0.44 in) | 495 mm (1.49 in) | 2 | 25 mm (0.98 in) | + | | matte black | 114 g (4.02 oz) |
| GN155 M | 6 mm (0.24 in) | 9 mm top (0.35 in) 11,3 mm bottom (0.44 in) | 1500 mm (59.06 in) | 2 | 25 mm (0.98 in) | + | 1 m (0.04 in) | matte black | 4,2 kg (9.26 lbs) |
| HM1000 M | | 9 mm top (0.35 in) 11,3 mm bottom (0.44 in) | 10 m (0.4 in) | cable | 40 mm (1.57 in) | + | 10 m (0.40 in) | matte black | 184 g (4.49 oz) |

| | Connector Type | Contacts | Programmable Switch | Bass Cut Filter | Electrical Impedance | Recommended Load Impedance | Voltage Range | Current Consumption | Diameter | Height | Net Weight |
|----------------|----------------|----------|---------------------|-----------------|----------------------|----------------------------|---------------|---------------------|-------------------|--------------------|----------------|
| PAE M | XLR | 3 | - | 150 Hz | < 600 Ohms | > 2000 Ohms | 15-52 V | 3,5 mA | 19,1 mm (0.75 in) | 65,5 mm (2.58 in) | 43 g (1.51 oz) |
| PAE5 M | XLR | 5 | - | 150 Hz | < 600 Ohms | > 2000 Ohms | 15-52 V | 3,5 mA | 19,1 mm (0.75 in) | 65,5 mm (2.58 in) | 43 g (1.51 oz) |
| PAESP M | XLR | 3 | + | 150 Hz | < 600 Ohms | > 2000 Ohms | 15-52 V | 4 mA | 19,1 mm (0.75 in) | 100,5 mm (3.96 in) | 63 g (2.22 oz) |

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