

RF SERIES

RF SERIES - GSM FRIENDLY MICROPHONES AND SHOCK MOUNTS

The new CLOCKAUDIO RF product series has been developed in direct response to interference (noise) issues which have recently been introduced into microphones, IP phones, hearing aids etc. by popular GSM devices such as PDA's, mobile phones & mobile phones with two way walkie- talkie capability. The noise emitted from these devices can wreak havoc on everything from a simple phone call to a complex video conference, and everything in between. These GSM devices emit a periodic hand shaking 'sync signal' to the nearest antenna tower even when these devices are at rest which creates noise, as well as data streaming noise when receiving or making calls, text messaging, sending or receiving e-mails or web surfing. Depending on the distance of the PDA or mobile device to the antenna tower, these devices will vary their strength in order to ensure proper hand shaking which can result in loud distracting noises which takes the focus away from the real business at hand, YOUR BUSINESS.

CLOCKAUDIO's new 'RF Friendly' series of microphones completely strips out these artefacts without any degradation of audio quality, frequency response or sensitivity, and allows you to conduct business as usual without the need to have your conference participants 'check their PDA or mobile phone at the door'.

Selectable bass cut filter and pre-attenuation switch facilities are not available on RF Series products. Audio specifications and dimensions for all the microphones remain unchanged, with the exception of the SM20/RF and SM 80-PPA/RF Shock Mounts.



SM80-RF

A low profile through table mounted Shock Mount fitted with RF Immune PPA with 3 Pin Tini Q Input Connector and 3 Pin XLR. Finished in Anodized Black - Gold and Silver.

Height above surface	3mm/0.18"
Diameter	58mm/2.28"
Body diameter	51mm/2"
Body below surface	
- XLR version	61mm/2.4"
- RF Version	166mm/6.5"



Connectors	Tini Q male socket
Impedance	200 Ohms
Power Requirements	9 - 48 volts Phantom Power
Termination	Male 3 pin XLR

SM20-RF

A low profile through table mounted Shock Mount fitted with RF Immune PPA with 3 Pin Tini Q Input Connector and 3 Pin XLR. Finished in Satin Black.

Height above surface	3mm/0.18"
Diameter	31mm/1.22"
Body diameter	20mm/0.78"
Mounting hole	23.5mm/0.90"
Body below surface	75mm/2.9"



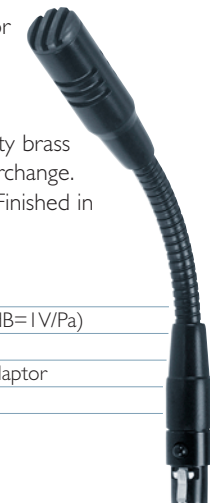
Connectors	Tini Q male socket
Impedance	200 Ohms
Power Requirements	9 - 48 volts Phantom Power
Impedance	200 Ohms
Termination	Male 3 pin XLR

RF SERIES

C3100-RF SHORT CARDIOID GOOSENECK MICROPHONE WITH TINI Q CONNECTOR

Short flexible gooseneck cardioid microphone for use in boardrooms, conferencing and a wide variety of applications requiring unobtrusive and easily detachable gooseneck microphones with consistent sound quality. Engineered in high quality brass with Tini Q female plug connection for easy interchange. Easy connection to SM20 shock mount or PPA. Finished in Satin Black.

Frequency response	50 Hz - 18 KHz
Sensitivity	-47dB ± 3dB @ 1 KHz (0dB=1V/Pa)
S/N Ratio	64dB(A)
Power Requirements	Needs Phantom Power Adaptor
Connectors	Tini Q female plug



C008E-RF

Cardioid boundary layer condenser microphone, particularly suitable for speech purposes in a wide range of Pro and live sound applications including conference, lectern and theatre. Fully balanced output. Manufactured in high quality brass with concealed cable and fixing screw mounting and finished in non reflective Stone Grey Nextel.

Frequency Response	50Hz - 18KHz
Sensitivity	-47dB +/- 3dB at 1KHz (0dB=1V/Pa)
Impedance	200 Ohms
Power Requirements	9 - 48volts phantom power
S/N ratio	64dB (A)
Termination	Male XLR



C003E-RF/C004E-RF

Omnidirectional (C003E-RF) or Cardioid (C004E-RF) Boundary Layer condenser microphones designed for a wide range of installed pro sound, conferencing or security situations. Wide smooth response. Balanced output. Simple through - desk mounting. Low profile at surface level. Made in high quality brass and finished in Satin Black or Matt White.



	C003E-RF Omni	C004E-RF Cardioid
Frequency Response	20Hz - 20KHz	100Hz - 16KHz
Sensitivity	-42dB +/-3dB at 1KHz (0dB = 1V/Pa)	-47dB
Impedance	200 Ohms	200 Ohms
S/N ratio	58dB (A)	60dB (A)
Termination	Male 3 pin XLR	Male 3 pin XLR

CS-RF SERIES BOUNDARY LAYER PROFESSIONAL MICROPHONE

The CS Series (Consultant Series) was developed as a result of input and recommendations from key consultants in boardroom AV integration. The goal was to minimise the number of microphones on the conference table, but also keeping in mind performance, ease of installation and aesthetics, which are very important in these projects. The results of these discussions are the CS1-RF, CS2-RF and CS3-RF microphones.



The CS2-RF is a dual element boundary layer condenser microphone, with a half-cardioid polar pattern. It is designed to be placed in the middle of the conference table, with each element facing the participants. This microphone accommodates bottom cable exit, for permanent mounting in boardroom situations. These microphones are made of solid brass and include a 2 metre cable with open-ended termination. The Phantom power adaptor (PPA) is incorporated in the brass housing and will accept 9 to 48 volts DC (Phantom power).



The CS3-RF microphone has the same characteristics as the CS2-RF with the addition of a third element. This microphone is to be positioned closer to the end of the conference table in order to capture the participants facing each other and also the participant sitting at the extremity of the table. If the participant at the end of the table is further away, it is then possible to use a combination of a CS2-RF and CS1-RF (single element version) to accommodate this situation.



Microphone	Condenser (Back Electret)
Polar Pattern	Half Cardioid
Frequency Response	50Hz - 18KHz
Sensitivity	-47dB +/- 3dB @ 1KHz (0dB=1V/Pa)
Impedance	200 Ohms
Power Requirements	9 - 48volts phantom power
S/N ratio	64dB (A)
Termination	Open Ended Multicore Cable

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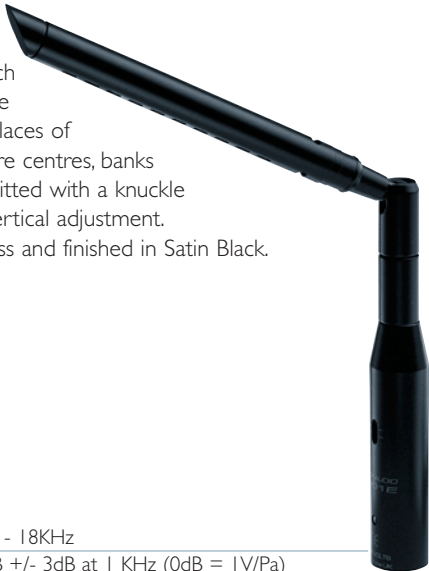
C800E-RF/C800-RF

Slim mini shotgun hypercardioid microphone developed for speech purposes in a wide range of pro and live sound applications including places of worship, conference and leisure centres, banks and financial trading centres. Optimised for good speech quality. Semi rigid slimline shaft engineered in high quality brass and finished in Satin Black.

Frequency Response	50Hz - 18KHz	
Sensitivity	-47dB +/- 3dB at 1 KHz (0dB = 1V/Pa)	
Impedance	"E" Type	200 Ohms
Power Requirements	"E" Type Open ended series resistor	9-48v phantom power 1.5-9v max through
S/N ratio	64dB(A)	
Termination	"E" Type Open ended	XLR M10 x 1 Thread with shakeproof washer & nut

C801E/C801-RF

Slim mini shotgun hypercardioid condenser microphone suitable for speech in a wide range of pro and live sound applications including places of worship, conference and leisure centres, banks and financial trading centres. Fitted with a knuckle joint giving both lateral and vertical adjustment. Engineered in high quality brass and finished in Satin Black.



Frequency Response	50Hz - 18KHz	
Sensitivity	-47dB +/- 3dB at 1 KHz (0dB = 1V/Pa)	
Impedance	"E" Type	200 Ohms
Power Requirements	"E" Type	9-48v phantom power
S/N ratio	64dB(A)	
Termination	"E" Type	XLR

C3-RF SERIES - GOOSENECKS

Cardioid condenser microphones designed for use in conference halls, places of worship, broadcasting and paging systems. Manufactured in high quality brass and finished in Satin Black. 3 pin XLR or base mounting. Response is optimised for consistent sound quality. The slimline goosenecks are available as fully flexible or semi rigid shafts of various lengths. The knuckle mounted versions allow both horizontal rotation and vertical angle adjustments.

Frequency Response	50Hz -18KHz	
Sensitivity	-47dB +/-3dB at 1 KHz (0dB = 1V/Pa)	
Impedance	"E" Type	200 Ohms
Power Requirements	"E" Type	9-48v phantom power
S/N ratio	64dB(A)	
Termination	"E" Type	Male 3 pin XLR

