

Desktop Microphone EM195A

The EM195A is a directional electret microphone. It is designed to be connected to unbalanced microphone inputs with bias powering such as those found on the Ampetronic ILD100 & CLD1 induction loop amplifiers. The unit is directional, so it can reduce unwanted sound pickup from sources that are not in front of the microphone.

Restrictions on usage

The EM195A should not be directly connected to balanced or line level inputs. It should only be connected to inputs intended for unbalanced electret microphones with DC bias power.

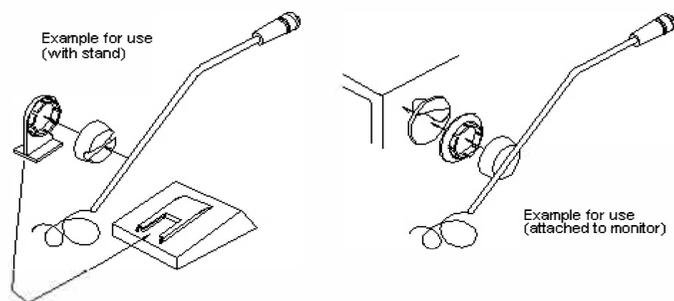
1. Mounting

The microphone should be placed so that it points towards the wanted sound source (e.g. the receptionist at a counter) and is reasonably close to that source. Take care to ensure that the microphone does not pick up unwanted sounds when choosing where to put the unit.

There are two options for assembling and mounting the EM195A.

(a) *Desktop base.* This is a weighted base for free-standing use. The microphone stem fits into a pivot allowing the stem angle to be adjusted.

(b) *Attached to other equipment.* By using the self-adhesive base, the microphone can be attached to the side of other equipment (e.g. a computer monitor). The pivot and stem then attach to this allowing adjustment.



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2. Output connection.

The EM195A is terminated in a 3.5mm mono jack plug. This should be plugged into the microphone input of the ILD100 or CLD1. To connect the EM195A to a balanced microphone input, the Ampetronic MAT1 adapter should be used with phantom power on the amplifier.

Any extension up to 3 metres total cable length should be made using a screened cable and good quality connectors. *Under no circumstances* should the output cable be extended beyond a total length of 3m as the extended connection would be susceptible to interference. The output via the MAT1 can be extended using balanced cables with XLR connectors without length limits

3. Specification :

Sensitivity	-64dB \pm 3dB at 1kHz (0dB=1V/bar)
Impedance.....	Low (approx. 200 ohms)
Directivity	Unidirectional (Cardioid)
Frequency Range.....	20Hz-16kHz
Maximum Bias Voltage.....	10V
Normal Bias Voltage.....	1.5V
Current Consumption	0.3mA max.
Signal to Noise Ratio	>60dB
Stem Length	Approx. 25cm, with 25° bend at 15cm from base
Cable Length	1.8 metres, screened flexible cable
Cable Connector	Mono 3.5mm jack
Colour.....	Black

The EM195A is manufactured in Taiwan for Ampetronic Ltd.

Warranty Information

This product carries a 1 year parts and labour warranty which could be invalidated if these instructions are not followed correctly, or if the unit is tampered with in any way.

The 1 year warranty is dated from the time the equipment leaves Ampetronic and NOT when it is installed.

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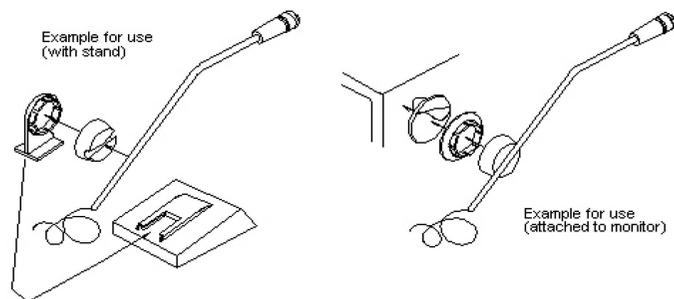
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