

# Boundary Microphone ACBMIC

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

## Restrictions on usage

The ACBMIC 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

Boundary layer microphones are intended for mounting on a surface. The surface forms a part of the pickup pattern of the microphone. The surface should not be subject to strong vibration as this can be picked up by the microphone.



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.

## 2. Output connection

The ACBMIC 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 ACBMIC 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. Using an Ampetronic MAT1, output cable length can be extended using balanced cables.

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### 3. Specification

Polar Pattern:	Half-cardioid
Frequency Response:	20Hz – 16kHz
Sensitivity:	-65dB
Impedance:	1k $\Omega$
Operating Voltage:	6V DC
Cable Length:	2m
Weight:	45g including cable
Dimensions:	39mm x 42mm x 17mm (including clip)

The ACBMIC is manufactured in China 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.

EC Certificate of Conformity available on request.



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