

microphones

GENERAL INFORMATION

There are many types of microphone that are made but really there are only two basic types that are of relevance to church use - dynamic and condenser. In general, dynamic microphones are larger and more obtrusive than condensers and they are less sensitive. Because of these characteristics and others, I recommend that the use of dynamic microphones in churches should be limited to close up vocals for praise groups or for applications where the more robust build of the dynamic microphone is advantageous, such as for use outdoors. In all other church applications, the condenser microphone is the best choice. A condenser microphone will provide good pickup of someone with a good speaking voice at distances of up to a metre. The flatter frequency response of a good condenser micro-



Audio Technica ATM 33a

The ATM33a is a studio-quality wide range condenser microphone designed to meet general requirements in church sound reinforcement. Exceptionally smooth response and high sensitivity make it ideal for both vocal and instrument reinforcement. In common with all condenser microphones, the ATM33a requires a power source which can be phantom power from a sound desk or if this is not available, the unit may be powered by a standard AA battery which



PRO 47/49



PRO 45

Audio Technica PRO series



PRO 44

The Audio Technica Pro Range of miniature microphones are an ideal choice for such locations as pulpits, lecterns, communion tables and as general purpose recording microphones. All are characterised by their excellent sensitivity, allowing useful pick-up from as far away as 2 metres or more, depending on church acoustics. The PRO47 and 49 models differ in the type of base and each is available in two gooseneck lengths - 315 and 400mm. The gooseneck itself is only 10mm in diameter making them very inconspicuous when installed. These are ideal for pulpit and lectern use, although the PRO45 model shown here as a hanging microphone may also be installed almost invisibly on the front edge of a lectern as the microphone capsule measures only 56mmx12mm. The PRO 44 is an exceptionally sensitive boundary microphone designed for use on communion tables where it sits unobtrusively, with a height of only 15mm. The PRO42 miniature boundary microphone makes an ideal recording microphone.



Sennheiser E825S

The Sennheiser E825 is an inexpensive dynamic microphone with an unusually good build quality for the price. This microphone is recommended as a general purpose microphone for less demanding situations such as close-up vocals or close miking an instrument loudspeaker cabinet. It is also ideal for use with an outdoor PA system. Because it is a dynamic microphone, it does not require batteries or phantom power for operation