Manual abstract:

@@The microphones employ the proven RF-principle for low noise, low interference operation. @@@@The directional characteristic is supercardioid at low and medium frequencies, at higher frequencies the directional pattern is club-shaped. The microphone's susceptibility to wind and pop noises is low due to the working principle employed. Therefore the MKH 416 P 48 can olten be employed as a microphone for soloists or for commentary purposes without using an additional popshield. However, for outdoors the use of a windscr'een is recommended. the frequency response is intended to have a slight increase of the high frequencies. The so-called close-talking ellect is low with this microphone. Therefore, the MKH 416 gives a weil balanced sound even when it is used close up. @@@@P 48 and P 48-U are 48 V phantom-powered according to DIN 45596. @@@@The source impedance of Sennheiser condenser microphones with phantom powering is extremely low (ilbout 10 Q at 1000 Hz) so that the amplifier input impedance has only to be at least 200 Q. This in usual in the majority of cases. Should - however - the input impedance be smaller than 200 Q, a resistor of appropriate value should be placed in series with the microphone so that it "sees" at least 200 Q. The voltage division caused by this series resistor must, of course, be considered. The same method can be used when a higher output impedance of the microphone is demanded. In this case again, aseries resistor can be used to provide correct matching. @@@@@@@@@@ e. When apressure pulse strikes the capsule from the front. pin 1 of the DIN-connector (resp. Pin 2 of the Cannon-connector) goes positive with reference to Pin 3. @@@@@@@@@@If the amplifier being used has a very high input sensitivity i. e. @@@@This way the large signal on the microphone cable is maintained up to just before the amplifier, which hel ps to increase the signal to noise ratio. It should be stabilisedand filtered,so thatthe unweighted noise voltage is less than 1 mV. According to the DIN standard the feed resistors should be 2 x appx. The difference between the two resistors should be ~ 0. The original diagram is included with each microphone, measured from 50. @@@@@@ diameter 35 mm , Length 80 mm. @@Used in eonjunetion with the MZG 415 and the MZO 415. windscreen-combination MZW 426 , MZS 416 , MZP 816 This eombination eonsists of the robust , light windsereen basket MZW 426 , shoek mount MZS 416 and the inelinable pistol grip MZP 816. The eombination is partieularly weil suited for outdoor reporting use and features easy handling and insensitivity to wind and handling noise.

the eombination mayaiso be mounted on a tripod instead of the pistol grip. Windshield MZW 415 The foam-rubber-windshield should be drawn over the sound inlets of the mierophone when wind disturbances are evident. Power Supplies MZN 16 P 48 and MZN 16 P 48-U Power supply unit for 48 V phantom powering aeeording to DIN 45596. Two mierophones ean be powered simultaneously from eaeh supply unit. dimensions: 168 x 120 x 50 mm. @@@@@@) conneeting the MKH 106 P 48 U to the power supply unit MZN 16 P 48-U. .