



Quick Design Quick Service

X.TRADIO

Audio Surveillance & Monitoring Kit



User Manual

QUICKFISH
AUDIO MONITORING CO.

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Introduce

Thank you to purchase X.TRADIO Audio Surveillance & Monitoring Kits.

For use its all function rightly, Please read this document before installation and operation.

The X.TRADIO is a wide-range Audio Surveillance & Monitoring Kits with omnidirectional condenser microphone and built-in preamp.

It is designed for unobtrusive table, ceiling or panel-mounted applications for high-quality sound reinforcement, teleconferencing, professional recording, television and other demanding sound pickup applications.

The X.TRADIO is a similar microphone, with a unidirectional polar pattern. Positioning a properly designed miniature unidirectional microphone centrally on a large, flat, unobstructed surface yields several distinct advantages. The directivity factor is greatly increased over a comparable omnidirectional microphone, thus promoting enhanced gain before feedback and further suppressing ambient noise. Sensitivity is increased for improved signal-to-noise ratio. Phase distortion due to reflected sound energy from the boundary itself is eliminated.

The kit require 9V to 18V DC power for operation. The microphone are enclosed in a die-cast case and protected by two layers of perforated aluminous pedestal.

The low-profile housing has a low-reflectance blue finish. Isolators are included with each microphone for applications where mechanical isolation from the mounting surface is required.



Description

- 🌿 Professional wired voice monitor.
- 🌿 Low noise, low echo and clear speech.
- 🌿 Advanced omni-directional, electret condenser with built-in preamp.
- 🌿 Since adapt to dynamic state fall chirp disposal, in put high-speed DSP.
- 🌿 Dynamic electro-noise control circuit.
- 🌿 Luxurious appearance, Stainless steel wire netting, High quality aluminous pedestal.
- 🌿 AGC circuit , monitor area reach 150 sq.m.
- 🌿 Hi-Fi circuit , even more natural voice
- 🌿 Automatic restrain high intensity's voice, dependable protect behind hold equipment.
- 🌿 Effectively decrease serious echo in open room by concave antrum.
- 🌿 The patent that long distenced transmission.
- 🌿 Audio cable: 4 cores line, network's twisted pairs, shield cable average can usage.
- 🌿 Widely working temperature range (-25°C ~ 75°C).
- 🌿 Built-in lightning stroke protection and power protection circuit.
- 🌿 Built-in preamp, direct drive speaker, recorder, DVR, VCR.
- 🌿 Widely used in: Police, Monitorship, Judicatory, Safety, Army's department.

Installation and Operation

Output is low impedance balanced. The audio balanced signal connection is Pin "A.OUT +", while the audio ground (shield) connection is Pin "A.OUT -". Output is phased so that positive acoustic pressure produces positive voltage at Pin "A.OUT +" in accordance with industry convention.

The kit require 9V to 18V DC power for operation. The microphone are enclosed in a die-cast case and protected by two layers of perforated PVC.

The kit should be placed on a flat, unobstructed mounting surface. The sound source should not be below the plane of the mounting surface.

An integral 250 Hz high-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

The X.TRADIO mark on the kit bezel indicates the "front" of the kit.

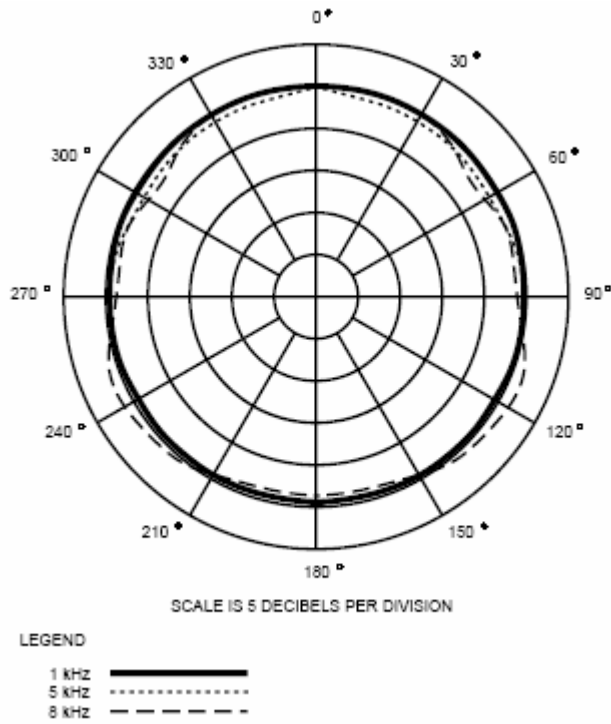
While a modern fixed-charge condenser microphone is not unduly sensitive to the environment, temperature extremes can be harmful. Exposure to high temperature can result in gradual and permanent reduction of the output level. Avoid leaving the microphone in the open sun or in areas where temperatures exceed 60° C for long periods of time. Extremely high humidity should also be avoided.

NOTE: Placing any object on a surface (such as a conference table) before its finish is fully cured may result in damage to the finish.

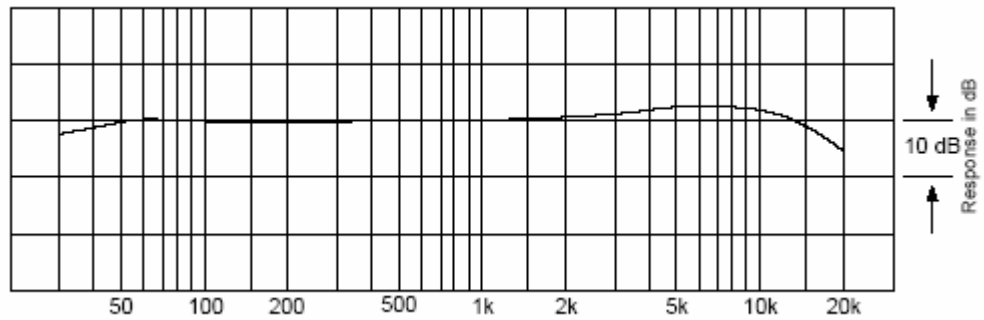
SPECIFICATIONS

| PARAMETER | PERFORMANCE |
|---------------------------|---|
| MONITOR RANGE | 10 -150 sq.m. |
| EXPORT DISTANCE | 3 kilometre |
| FREQUENCY RESPONSE | 250 – 5000Hz |
| LOW FREQUENCY ROLL-OFF | 280 Hz, 18 dB/octave |
| SENSITIVITY | 128dB/MW |
| SIGNAL-TO-NOISE RATIO | 80 dB, 1 kHz at 1 Pa |
| POLAR PATTERN | Omnidirectional in hemisphere above mounting surface |
| OPEN CIRCUIT SENSITIVITY | -35dB(7.9mV) 0dB=1V/1Pa,1KHz |
| DYNAMIC RANGE | 104dB (1KHz at Max dB SPL) |
| MAXIMUM INPUT SOUND LEVEL | 120dB SPL (1KHz,THD 1%) |
| IMPEDANCE | 600ohms (None Balance) |
| OUTPUT SIGNAL EXTENT | 2.5Vpp/-25db |
| ELEMENT | Fixed-charge back plate permanently polarized condenser |
| DIGITAL SIGNAL CIRCUIT | DSP |
| PROTECT CIRCUIT | Built-in lightning stroke protection and power protection circuit |
| PREAMP | Build-in |
| OUTPUT CONNECTOR | Power+, Power- , Audio+, Audio- |
| CABLE | 4 cores line, network's twisted pairs, shield cable |
| POWER VOLTAGE | DC 8-20V |
| POWER CURRENT | 28 mA |
| WORK TEMPERATURES | -25 - 70° C |
| COLOR | Silver |
| SHELL'S MATERIAL | Stainless steel wire netting, aluminous pedestal |
| DIMENSIONS | 120mm×30mm |
| WEIGHT | 160 g |
| OEM | China |
| ACCESSORIES FURNISHED | Soft protective pouch |

Polar Pattern



Frequency Response



One-Year Limited Warranty

TRADIO Audio Surveillance & Monitoring Kits and accessories purchased in the China are warranted for one year from date of purchase by *QuickFish* Co., Ltd. to be free of defects in materials and workmanship.

In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if delivered to *QuickFish* or an Authorized Service Center, prepaid, together with the sales slip or other proof of purchase date. Prior approval from *QuickFish* is required for return.

This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification.

For return approval and shipping information, contact the Service Department, *QuickFish* Co, Ltd., 31 Beisanhuan Middle Rd., Haidian, Beijing, China 100088.

Except to the extent precluded by applicable state law, *QuickFish* will have no liability for any consequential, incidental, or special damages; any warranty of merchantability or fitness for particular purpose expires when this warranty expires.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Outside the China., please contact your local dealer for warranty details.