

TK120

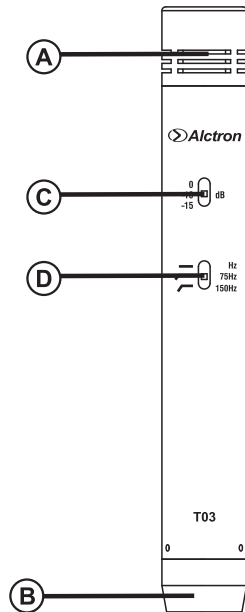
TK120 Instrumental Microphone Kits

Owner's Manual

1. PRECAUTIONS

- * Do not store the microphone under direct sunlight, near heating devices or in a hot, humid or dusty place.
- Do not allow the microphone to get wet;
- * When this product is used for a long time, the microphone may become discolored due to ultraviolet light (especially direct sunlight) or wear;
- * Do not subject the microphone to strong impact;
- * Do not disassemble, modify or attempt to repair the microphone;
- * After use in a high-moisture such as a stage performance, wipe off the microphone with a dry cloth and permit it to air dry. Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated.

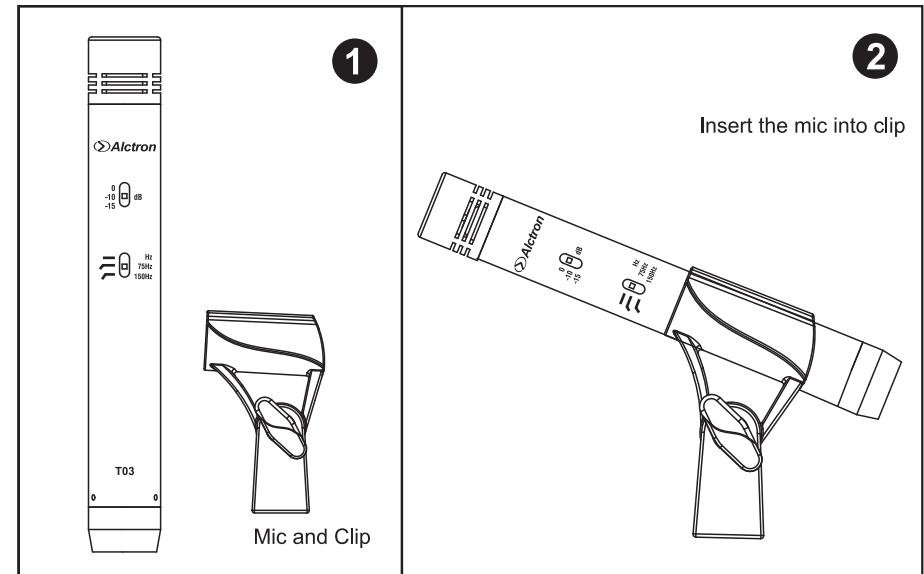
2. GENERAL DESCRIPTION



A	Microphone Capsule	22 mm small gold-sputtered diaphragm
B	XLR Connector	Microphone-level output
C	Sensitivity attenuator	Dial to 0 position no change; dial to the -10 position, it indicates to reduce -10dB; dial to the -15 position, it indicates to reduce -15dB.
D	Low cut	Dial to 0 position no change; dial to the -10 position, low-frequency cutoff attenuates 16dB-per-octave below 75 Hz; dial to the -15 position, low-frequency roll off attenuates 8 dB-per-octave below 150 Hz.

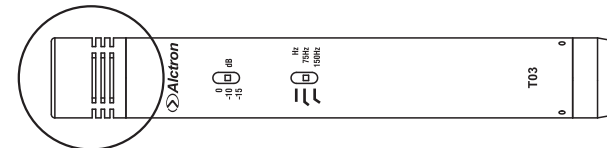
TK120 is a studio kit that combining with T03 microphone and microphone accessories. T03 is a uses interchangeable 22mm capsule to provide a choice of cardioids, hyper cardioids and omni pickup patterns. Low noise transformerless preamplifier circuitry is used to deliver high quality performance in both close miking and distance miking situations. Low cut switch and sensitivity switch ensures that most sounds are captured with a high degree of accuracy. All of this makes it suitable for instrument pick up, such as orchestra, percussion, guitar, bass, piano as well as recording studio. Rugged microphone construction, internal mic clip and windscreen effectively reduce stand rumble, outside infrasonic interference and mechanical shocks.

3. INSTALLMENT STEPS

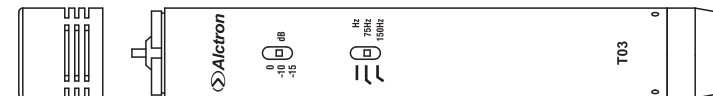


4. Can replace the capsule.

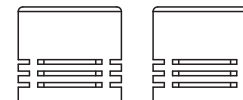
- * The TK120 capsules are designed to user-friendly, making the interchanging of capsules a simple procedure.
- * Before unscrew the capsule from microphone, please ensure that the microphone is disconnected from all power.



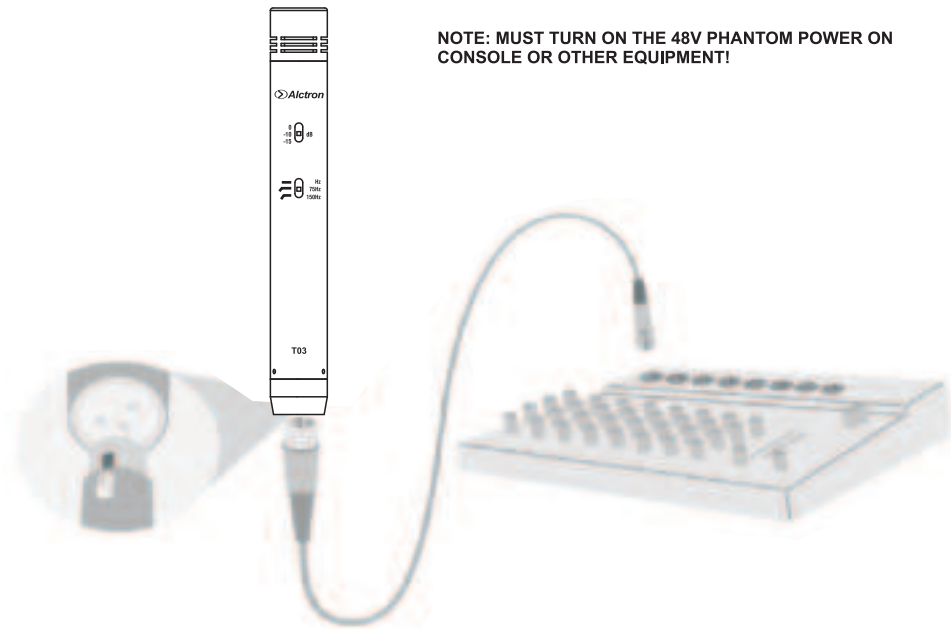
- * Take extra care with the body and capsule when they are apart and avoid exposure to any moisture and dust.



- * Replace the desired capsule onto the body by screwing in into proper position (Omni / Hyper cardioid capsule).



5. XLR CONNECTION



NOTE: MUST TURN ON THE 48V PHANTOM POWER ON CONSOLE OR OTHER EQUIPMENT!

6. FEATURE

- * Interchangeable 22mm capsule;
- * Cardioids, hyper cardioids and omni pickup patterns;
- * Low noise transformerless preamplifier circuitry;

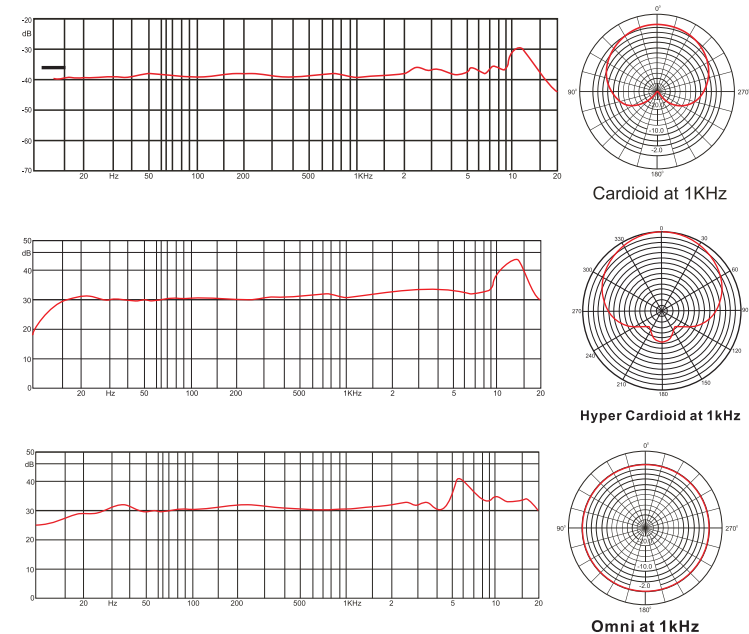
7. GENERAL RULES FOR USE

- * Aim the microphone toward the desired sound source (such as the talker, singer, or instrument) and away from unwanted sources.
- * Place the microphone as close as practical to the desired sound source.
- * Work close to the microphone for extra bass response.
- * Use only one microphone to pick up a single sound source.
- * Use the fewest number of microphones as practical.
- * Keep the distance between microphones at least three times the distance from each microphone to its source.
- * Place microphones as far as possible from reflective surfaces.
- * Add a windscreen when using the microphone outdoors.
- * Avoid excessive handling to minimize pickup of mechanical noise and vibration.
- * Do not cover any part of the microphone grille with your hand, as this will adversely affect microphone performance.

8. SPECIFICATIONS

- * Microphone type: pencil condenser microphone
- * Capsule: 22mm
- * Polar pattern: cardioids (hyper-cardioids, Omni for choice)
- * Frequency response: 20hz-20khz
- * Sensitivity: -39dB±2dB
- * Max SPL: 120dB
- * Impedance: 200Ω

9. THE FREQUENCY RESPONSE CURVES AND THE POLAR DIAGRAM



- * **Cardioid**—When this pattern is selected, the microphone picks up sounds directly in front of the microphone and is least sensitive to those in back. This is the most commonly used pattern in studio recording and live-sound applications.
- * **Hyper-cardioid**: in a complex environment, to pick up the sound more selective which suitable for concert living, press briefing and such occasions.
- * **Omni**: Picks up sounds from all directions. This pattern is best for picking up room ambience and for miking several sources, such as an ensemble or multiple singers, simultaneously. The Omni polar pattern exhibits no proximity effect.