AT895 System Components, Accessories and Accessory Kits

**AT895 Specifications**

- **Emission**
  - Fixed-charge back plate
  - permanently polarized condenser
- **Pattern**
  - Full-field adaptive, Planar-adaptive, Linear-Adaptive
- **Frequency Response**
  - 60-12,000 Hz
- **High-pass Filter**
  - Low-end Roll-off
- **Impedance**
  - 20 ohm
- **Input Impedance**
  - Minimum: 10 kΩ, 1 kHz at 1% T.H.D.
- **Noise, Typical**
  - (A-weighted) 28 dB
- **Dynamic Range**
  - 24 dB
- **Dimensions**
  - AT895 Microphone (less cable) 14.00" (355.6 mm) long
  - AT895PS1 Switching Power Supply (90-263V AC input, 47-63 Hz), 9-15V DC, 250 mA typical
  - AT895BH Battery Holder
  - AT895BH Battery Housing
  - AT895BP Control Pack Accessories
  - AT895BP Rack-mount Plate for mounting one or two AT895CP Control Packs in a 1U 19" rack space.
  - AT895BH Battery Housing
  - AT895Z Zeppelin-type windscreen
  - AT895CC Carrying Case
  - AT895PG Pistol-grip shock mount
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**Cables**

- **AT895CG**
  - Special 6-conductor, shielded Cable with XLR7F-XLR7F connectors for use between the AT895 Microphone and AT895CP Control Pack. Available in 1.5'/0.4 m (C-1.5), 10'/3 m (C-10), 25'/7.6 m (C-25), 50'/15.2 m (C-50) and 100'/30.4 m (C-100) lengths. Custom lengths are available on special order from the A T Service Department.

**Conversion Kit**

- **AT895C** Conversion Kit adds the components needed for an AT895/RK system to function as an AT895/RK system. Includes AT895 Battery Housing, AT895C Pistol grip shock mount, AT895Z Zeppelin-type windscreen, AT895C Carrying Case and AT895-B special 10' (3 m) Cable.

**Fisher Boom Kit**

- **AT895F** Fisher Boom Kit adapts the AT895 for use with a Fisher boom. Includes mounting bracket and special AT895-Z Jack.

**Cabling**

- **AT895C** Cables
  - AT895CG 10' (3 m) long
  - AT895CP Control Pack 16.7 oz (473 g)
  - AT895BH Battery Housing 7.6 oz (215 g)

**AT895 Adhesive-Array Microphone System**

- **DeltaBeam Technology** is a unique, ground-breaking optimization of acoustic, analog and digital design that produces unmatched directional performance, operating versatility and ease of use.
- **Provides an adaptive array to substantially reduce background acoustic interference.**
- **Improves sensitivity and pickup distance as compared to currently-available professional microphone technology.**
- **Provides a tool for the discrimination of specific sources, even in very high-noise environments.**
- **Provides greatly increased off-axis rejection, even for very loud interference.**
- **Provides outstanding low-frequency directivity (an amazing 78 dB maximum rejection at 200 Hz!) in a mic only 14 inches long.**
- **Minimizes nearfield effect on the low-frequency directivity of the array.**
- **Reduces susceptibility to mechanical noise, wind noise and racking as compared to currently-available professional microphones.**

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*In the interest of technical accuracy, 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL, unless noted otherwise. *Typically, in a small recording, 25’s are colored to match the mics in a recording. In general, 50’s are colored to match the mics in a recording.
A New Solution for Audio Acquisition

High-directivity, wideband audio quality, and the ability to suppress unwanted low-frequency information make the AT895 the best solution for many broadcast, film/video and surveillance/security applications.

Sports
In field sports such as football, soccer, rugby and field hockey, the AT895 delivers vivid audio of player contact, ball strikes and sideline conversations. In golf, the AT895 eliminates wind noise rumble while providing precise directivity. And the AT895 is especially effective for sports common to international athletic competitions such as track and field, rowing, equestrian events and tennis.

Radio/TV/Film
The AT895’s ability to attenuate audio clutter that masks desired sounds is invaluable for a multitude of broadcast, film/video and surveillance/security applications. Used alone or in conjunction with surveillance cameras, the AT895 provides exact audio information. Background ed sounds is invaluable for a multitude of broadcast, film/video and surveillance/security applications. Used alone or in conjunction with surveillance cameras, the AT895 provides exact audio information.

Surveillance/Security
The same capabilities that make the AT895 such an effective tool in broadcast also apply to security applications. Used alone or in conjunction with surveillance cameras, the AT895 provides exact audio pickup in locations such as hotels, casinos, banks, schools and amusement parks.

The Basic System
Two components are at the heart of every AT895 System: the AT895 Microphone and the AT895CP Control Pack.

AT895 Microphone
The AT895 Microphone itself is “all analog,” housing one Audio-Technica MicroLine® element, four A-T cardiod elements mounted in a co-planar diamond configuration, and five mic preamps. The five amplified analog signals from the microphone elements are sent individually down a special detachable cable to the AT895CP Control Pack.

AT895CP Control Pack
The AT895CP Control Pack provides all the power, Digital Signal Processing, and control for the AT895. Output from the Control Pack is analog at mic-level (–23 dBV). The lightweight, sturdy metal housing accepts a quick-change, click-on battery housing for totally self-contained operation, if desired. The Control Pack also operates on external 12-14V DC – from an Anton/Bauer or similar-type battery source, or from an AC adapter – via an industry-standard 4-pin XLR-type connection.

Control features on the AT895CP are:
• Three-position Mode (pickup pattern) switch which provides Full-Sold Adaptive, Planar-adaptive and Line–Gradient settings.
• Audio fiber switch with Flat, High-pass and Band-pass settings.
• Monitor headphone jack with volume control.
• LCD battery condition indicator.
• Power switch with LED indicator.

The AT895 System is the newest, most effective means of highly-directional, quality audio acquisition.

The AT895 is available as the AT895/RK “Remote Kit” for field use, and as the AT895/MK “Mount Kit” for fixed-install applications.