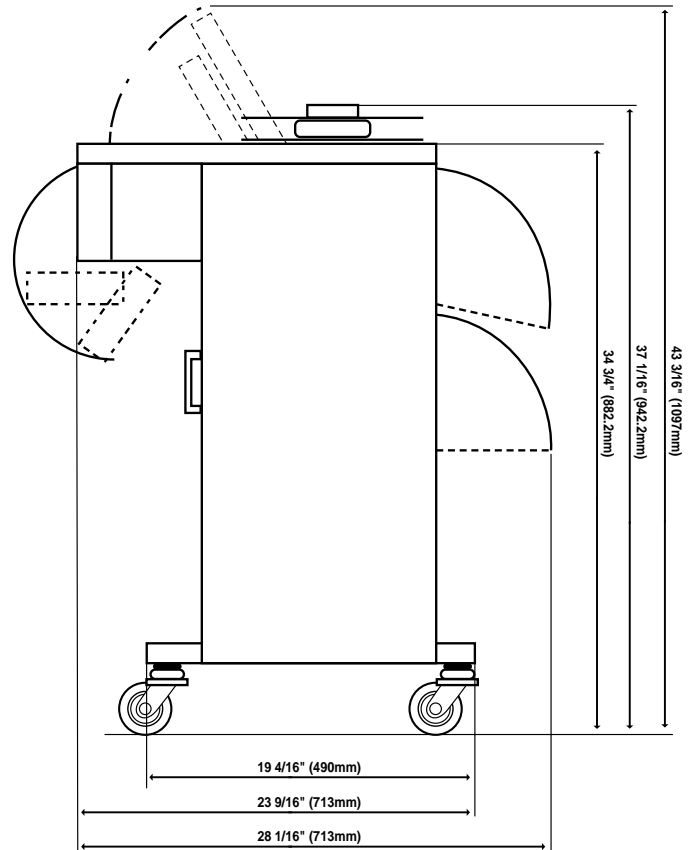
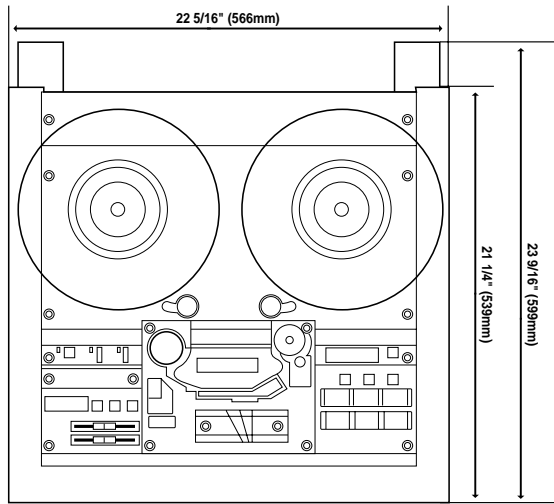


# ATR-60/16



## Unmatched Precision, Uncompromising Performance

The ATR-60/16 simply outperforms any other 1" 16-track on the market. Superior sound, exceptional reliability and ease of maintenance make the ATR-60/16 the choice for production studio recording, or SMPTE-based video post production. Outstanding features such as the advanced OMEGA drive support, offer unmatched precision and performance you won't find in any other recorder.

## Fast, Powerful & Precise Transport System

The ATR-60/16 employs TASCAM's Omega Drive microcomputer-controlled transport system for power, speed and uncompromised tape handling precision. In its standard configuration, it offers selectable 15 ips or 7.5 ips speeds. A 30/15 ips version is a powerful option. All this power and precision results in extra-fast lock-up in synchronized operation, even with heavy, fully-loaded reels. The ATR-60/16 transport also interfaces easily with external synchronization equipment. It also requires fewer alignment adjustments than comparable machines, and is quickly accessible for faster, easier maintenance.

## Gapless Punch-In/Out

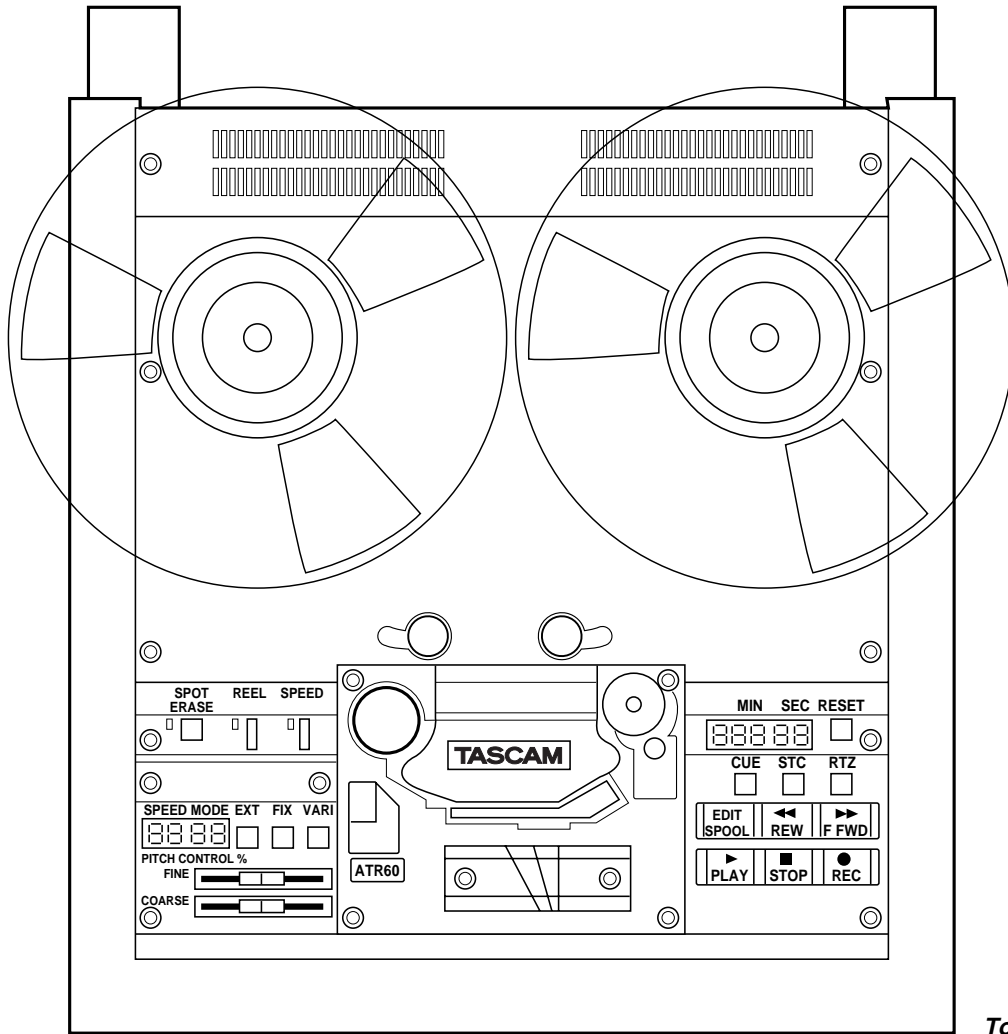
The ATR-60/16 eliminates clicks and lags at punch-in and punch-out points. No more noise, no more gaps; just clean, smooth-sounding results.

## Precise Spot Erase

The Spot Erase function makes it possible to precisely erase a specific section of previously recorded tracks. The final result is clean erase with no noise or clicks at the in/out points.

## Advanced Head Technology

The ATR-60/16 utilizes proprietary TASCAM head technology with advantages like superior crosstalk performance and sync response that is virtually identical to repro response. This means it's easy to make critical frequency and phase response judgments while overdubbing, and ping-ponged tracks will sound like the originals. Crosstalk is so low, in fact, a timecode track can be recorded without using an adjacent track as a guard band.



Top View-ATR 60/16

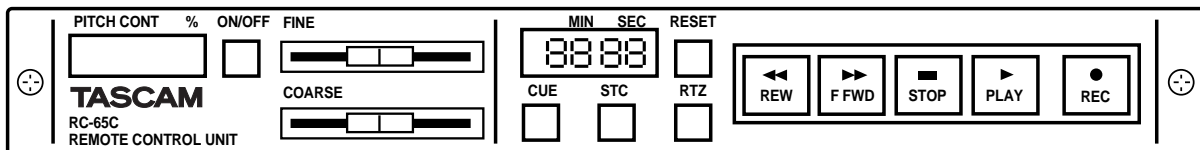
## Built-In dbx Type I Noise Reduction

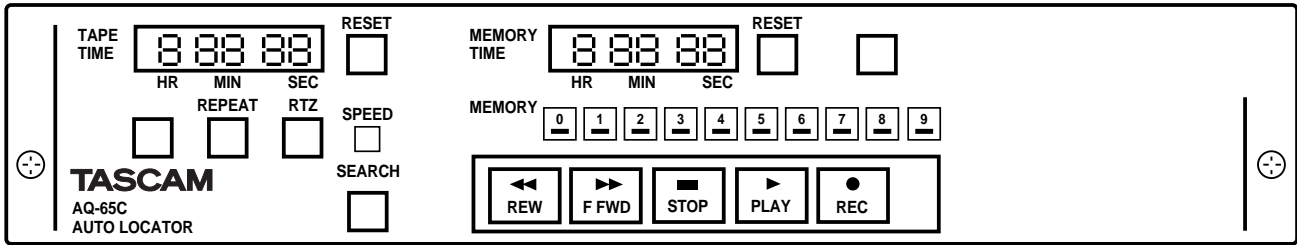
Internal dbx Type I noise reduction offers all the benefits of first-class noise reduction without extra equipment. The dbx circuitry for each channel is mounted on a separate plug-in circuit card for independent ON and OFF switching from the front panel.

## Remote Record Convenience

The ATR-60/16 is equipped with a remote record function select unit for convenient record function set-up and monitor selection right from the mixing console, video suite or other remote location.

### Remote Control Unit-RC-65C





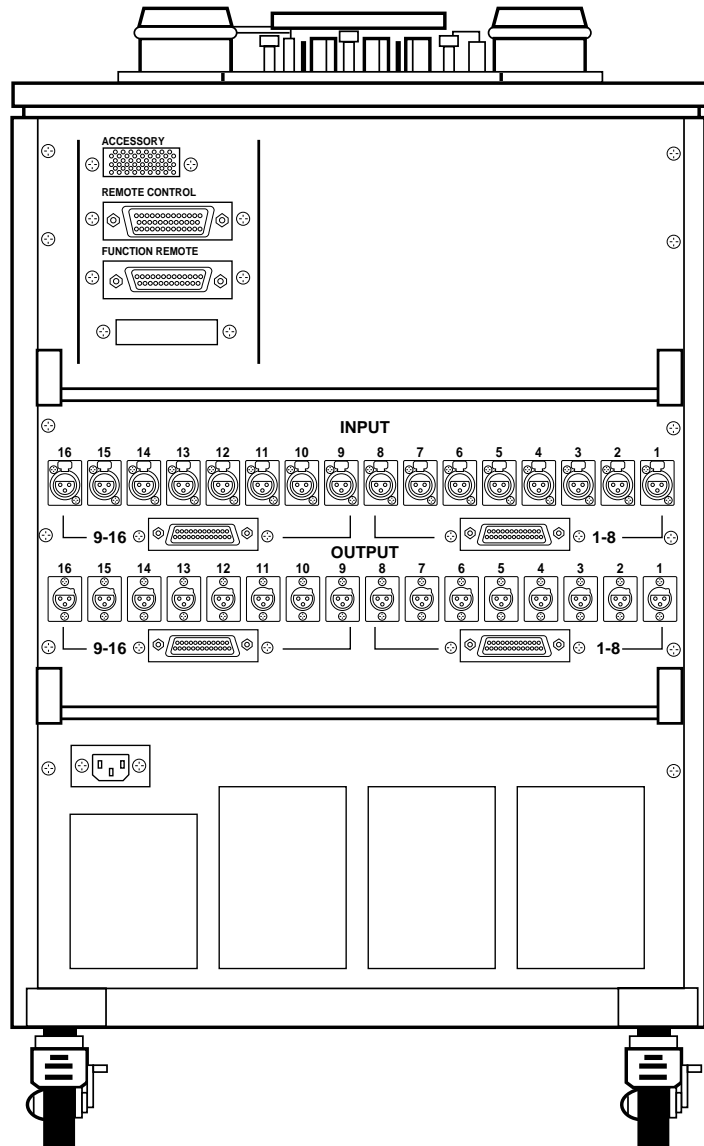
Auto Locator-ATR 60/16

## Connection Versatility

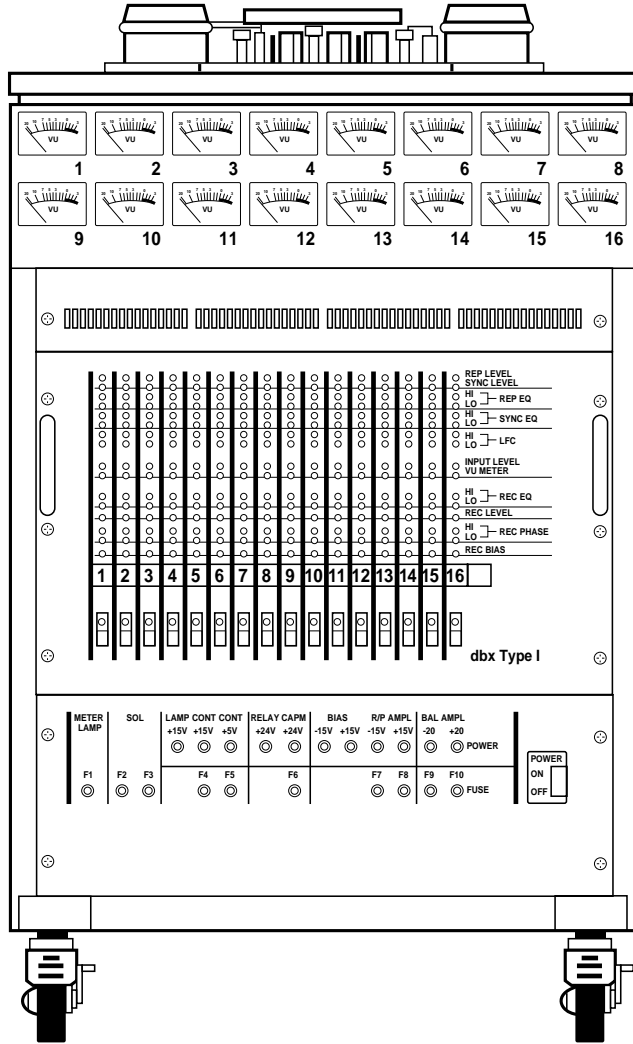
The ATR-60/16 has a rugged, XLR type active balanced input and output connector for each channel, for maximum connection reliability. The input and output connectors accept either balanced or unbalanced lines.

## Optional Remote Control & Auto Locator

TASCAM offers both a remote transport control (RC-65C) and an autolocator (AQ-65C) for convenient console-side operation of the ATR-60/16. The AQ-65C features ten-point memory, programmable pre-roll duration, two-point repeat and basic transport controls.



Rear-ATR 60/16



Front View-ATR-60/16

## SPECIFICATIONS

### MECHANICAL CHARACTERISTICS

Track Format: 1" 16-track, 16-channel  
 Maximum Reel Size: 10.5 inch NAB hub  
 Tape Speed: 15/7.5 ips (38/17 cm/sec)  
 Pitch Control: ±15%, (COARSE)  
 ±0.7% (FINE)

Wow and Flutter  
 15 ips (38 cm/sec): ±0.08% peak  
 (DIN/IEC/ANSI weighted)  
 7.5 ips (17 cm/sec): ±0.09% peak  
 (DIN/IEC/ANSI weighted)  
 Start Time: 0.25 sec to reach standard speed  
 (15 ips or 7.5 ips)  
 Capstan Motor: DD brushless PLL servo motor x1  
 Reel Motor: DC reel motor x2  
 Head Configuration: Erase x1, rec/sync x1,  
 repro x1

### ELECTRICAL CHARACTERISTICS

Line Input (Balanced): +4 dBm/10 kohms, +28 dBm  
 maximum  
 Line Output (Balanced): +4 dBm (switchable to +8 dBm)/  
 20 ohms, +28 dBm maximum  
 Bias Frequency: 145 kHz  
 Equalization:  
 15 ips: IEC: ∞+35 μs  
 7.5 ips: IEC: ∞ +70μs  
 Operating Level: 250 nWb/m

### PERFORMANCE CHARACTERISTICS

Frequency Response (Record/Repro)  
 15 ips: 40 Hz — 22 kHz ±2 dB (0 VU)  
 7.5 ips: 30 Hz — 16 kHz ±2 dB (0 VU)  
 Total Harmonic Distortion (THD):  
 15 ips: 0.8% at 1 kHz  
 7.5 ips: 0.8% at 1 kHz  
 Signal-to-Noise Ratio (3% THD)  
 15 ips: 108 dB, (A weighted) dbx\* IN  
 71 dB, (A weighted) dbx OUT  
 7.5 ips: 105 dB, (A weighted) dbx IN  
 65 dB, (A weighted) dbx OUT  
 Adjacent Channel Crosstalk: Better than 50 dB at 1 kHz, 0 VU  
 Erasure: Better than 70 dB at 1 kHz, +10 VU  
 Weight: 209.7 lbs. (95 kg)

In these specifications, 0 dBm is referenced to 0.0775 Volt

\*dbx is a registered trademark of AKG Acoustics, Inc.

Specifications and features subject to change without notice or obligation.



For more information about other TASCAM FAXBACK literature, call 1-800-827-2268.

# TASCAM®

Take advantage of our experience.