

AUDIO COMPONENTS

TEAC X-SERIES OPEN REEL • C-SERIES PROFESSIONAL CASSETTE DECKS • CX-SERIES CASSETTE DECKS
CASSETTE DECKS • LIBERO COMPONENT SYSTEMS • MULTITRACK AND MASTER RECORDERS • ACCESSORIES



1979/80

New in looks, sound and features, the X-10 and X-7 offer the open reel enthusiast the latest in tape technology for the finest reproduction performance. Both decks feature an exceptionally stable dual-capstan closed-loop transport with unique TEAC Magnefloat capstan bearings that maintain perfect tape travel at all times. And positive, fast-response logic transport controls make operation smoother and easier than ever. Of course, you get the superb sound quality and reliability that only TEAC can provide.

X-10

3-Motor 3-Head Tape Deck

With full 10-1/2" reel capacity, the X-10 offers sophisticated, professional looks with sound to match, plus the benefits of extended record and playback time. There's also a full complement of advanced control features that give you extensive flexibility to make the most of the versatile open-reel format.

- *Dual-capstan closed-loop transport
- *3 DC motors
- *Electrically assisted reel brakes
- *10-1/2" reel capacity
- *Pitch control
- *LSI logic transport function controls
- *Optional remote control
- *Optional dbx noise reduction interface
- *Manual cue lever
- *Record mute function
- *Independent bias and equalization selectors
- *Precise VU meters
- *Timer record/playback

X-10R

Bi-Directional 3-Motor 6-Head Tape Deck

With the same features and fine performance as the X-10, the X-10R additionally offers the ultimate convenience of bi-directional recording and playback for up to six hours of uninterrupted entertainment. A unique bi-directional timer function lets you set the X-10R to automatically record or play in either direction when activated by an external timer unit.

DX-2A

dbx Noise Reduction Interface

A perfect match for the X-10 or X-10R, the DX-2A provides a dramatic increase in signal-to-noise ratio and dynamic range—typically 30 to 40 dB. You get clear, well-defined recordings with absolutely no audible tape hiss.

RC-100/RC-90

Remote Control Units

The RC-100 (for the X-7R and X-10R) and RC-90 (for the X-7 and X-10) remote control units provide the same smooth, positive operation as the on-deck transport controls.

You can control your deck from the comfort of your easy chair for relaxed, convenient listening.



X-10



DX-2A

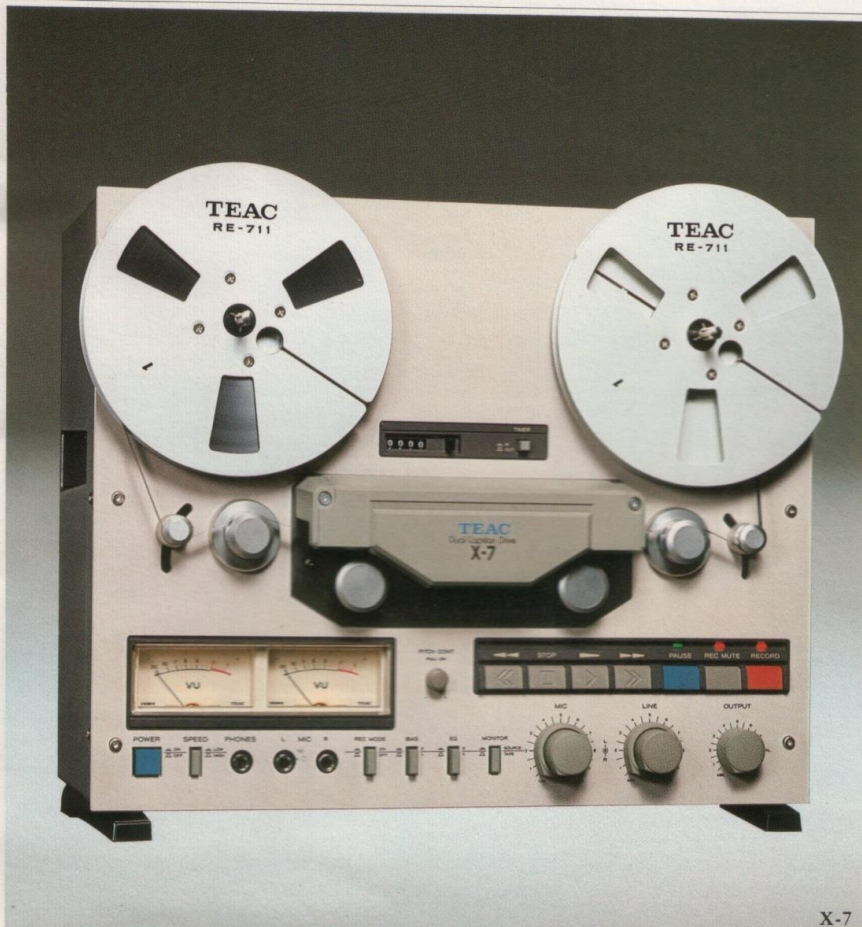


RC-100



X-10R

X-SERIES OPEN REEL



X-7

X-7

3-Motor 3-Head Tape Deck

If you're looking for great open reel performance with economy, the X-7 offers basically the same functions and features as the X-10, but with 7" maximum reel capacity.

- *Dual-capstan closed-loop transport
- *3 DC motors
- *Pitch control
- *Logic transport function controls
- *Optional remote control
- *Record mute function
- *Independent bias and equalization selectors
- *Precise VU meters
- *Timer record/playback

X-7R

Bi-Directional 3-Motor 6-Head Tape Deck

Bi-directional recording and playback with auto reverse and repeat gives you up to 3 hours of uninterrupted sound for a real concert atmosphere—even with 7" reels. Like the X-10R, a bi-directional timer function means the deck can be activated by an external timer unit to play or record in either direction. All other features are the same as the X-7.

CS-606

Free-Size Tape Deck Stand

For roll-about convenience with just about any open-reel tape deck, the CS-606 is the perfect accessory. It can be quickly and easily adjusted to conform to your deck's dimensions, and is mounted on durable casters for easy moveability.

RM-7/RM-10

Rack Mounting Kits

The RM-7 and RM-10 rack mounting kits include the brackets and bolts you need to mount your X-series deck in a standard EIA Rack for a sturdy, professional-type installation.



X-7R



CS-606

**"dbx" is a trademark of dbx Incorporated.

The C-1, C-2 and C-3 form a lineup of cassette decks that bring professional performance to the convenient cassette format. Based on the remarkable top-line C-1, the C-2 and C-3 offer performance unrivalled in their class, with features and functions that make them a fair match for many of the best open-reel decks.

C-SERIES

C-3

3-Head Stereo Cassette Deck

A three-head record/reproduce system, a prime requirement for optimum reproduction quality, is standard on all the models in this series. It provides exceptionally wide, even frequency response, high signal-to-noise ratio and stunning dynamic range. To ensure that you get the most from the three-head system, the C-3 incorporates a unique mechanical tension servo system that

maintains perfect tape-to-head contact from the beginning to end of every reel. The transport is fully logic controlled, and an FG servo capstan motor makes for stable, flutter-free tape travel. Tape compatibility is no challenge for the C-3, it features a user-adjustable bias and record level stage that complements the independent three-position bias and EQ selectors for Normal, CrO₂ or Metal tapes. Other C-3 features include gear-

coupled input level controls for more precise level setting, built-in Dolby noise reduction, and a Rec/Play timer selector. *FG servo capstan motor *Mechanical tension servo *Logic transport function controls *Bias and Rec Level adjust trimmers *Three-position bias and EQ switches *Metal tape compatibility *Timer Rec/Play function *Gear-coupled input level controls *Built-in Dolby noise reduction *Optional remote control unit *Ferrite record and playback heads.



C-3

C-2

2-Motor, 3-Head Stereo Cassette Deck

In addition to the features of the C-3, the C-2 offers a stable dual-capstan closed-loop transport driven via a two-motor system, plug-in bias and equaliza-

tion calibration modules, and FET signal switching in the monitor, noise reduction and equalization stages. *Two-motor transport drive *Dual-capstan closed-loop transport *Three-head reproduction system *Ferrite record and playback heads *Logic

transport function controls *FG servo capstan motor *Plug-in bias/EQ module *Metal tape compatibility *FET signal switching *Timer rec/play function *Gear-coupled input level controls *Three-position bias and EQ switches *Optional remote control unit



C-2

PROFESSIONAL CASSETTE DECKS



C-1

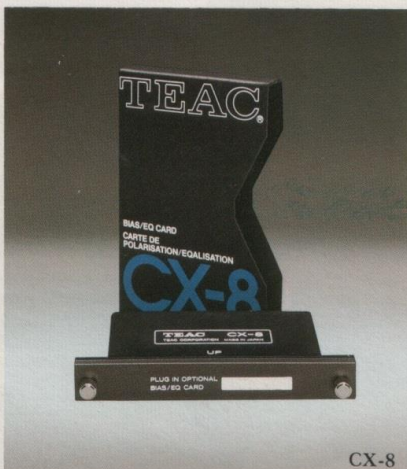
C-1 3-Motor, 3-Head Stereo Cassette Deck

The C-1 was the first cassette deck to provide professional recording performance and features. It and its peripheral interfaces are widely regarded as the ultimate in cassette recording systems. In any application—home, studio or field—its superb sound quality, ease of operation, rugged durability and reliability are welcome benefits for the recordist who is serious about his sound.

*Three heads *Three-motors *Ferrite record and playback heads *Phase-locked loop servo capstan motor *Coreless rotor DC reel motors *Dual-capstan closed-

loop transport *Twin-belt capstan drive *Diecast transport frame *LSI logic transport control *Electromagnetic reel braking *Servo-controlled fast wind *Self-adjusting two-step pinch rollers *Optional remote control *Rec mute function *Punch-in recording capability *Modular circuit design *Direct-coupled circuitry *Independent headphone amplifier *Low-noise mic preamps *Differential FET input line amp *Semiconductor signal switching *Plug-in bias/EQ cards *Regulated bias oscillator *Three-stage bias and EQ selectors *Gear-coupled input level controls *Pitch control *Timer function *Built-in Dolby noise reduction

CX-8 Optional Plug-In Bias/EQ Module for C-1 and C-2



CX-8

TO-8 Test Tone Oscillator

RC-90 Remote Control Unit



TO-8



RC-90

RX-8 dbx Noise Reduction Interface

The C-1, C-2 and C-3 are all compatible with the RX-8 dbx noise reduction interface. This peripheral unit can almost double available dynamic range providing a vast improvement in signal-to-noise ratio.



RX-8

MX-8 4-In/2-Out Audio Mixer

For live recording, the matched MX-8 mixer is a powerful creative tool. It provides four independent microphone or line inputs with switchable -20 dB padding for each channel. And switchable 100/200 Hz low filters plus pan pots give you extensive mixing flexibility.



MX-8

Offering outstanding performance and economy, the CX-210 and CX-270 are perfect examples of TEAC dedication to providing the best quality possible from the top to the bottom of the line. Both these fine decks incorporate the results of more than 25 years experience in the tape reproduction field. Experience that makes an audible difference when it comes to sound reproduction performance.

CX-SERIES CASSETTE DECKS

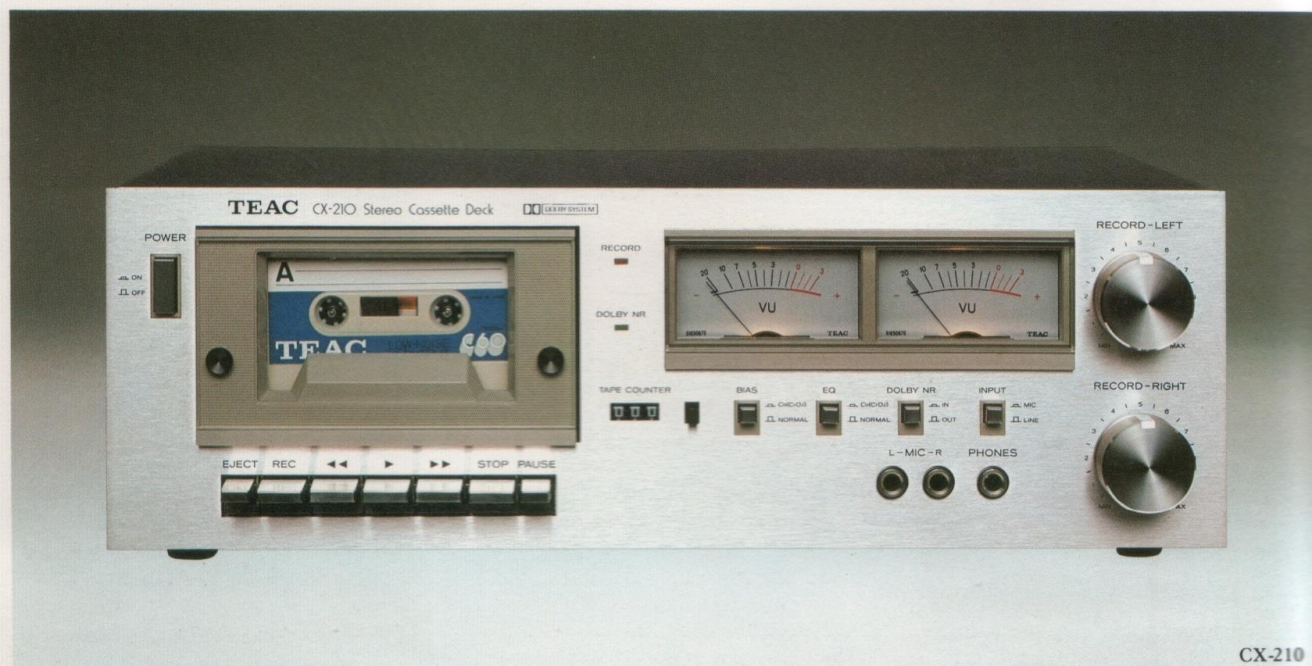
CX-210 Stereo Cassette Deck

Tape transport stability is a vital criterion for high-fidelity reproduction. The CX-210 makes no compromises in this area thanks to a super-stable FG servo transport motor that keeps wow and flutter to a minimum from the beginning to end of every reel. And you'll get optimum performance with a

wide range of tapes with independent bias and equalization selectors that precisely match the deck's record/playback characteristics to those of the tape used. Independent left and right channel record level controls give you extensive control over recording conditions, and a built-in Dolby noise reduction system assures well-defined, hiss-free recordings.

CX-270 Stereo Cassette Deck

The CX 270 gives you all the features of the CX 210 plus a revolutionary fluorescent bar-graph level metering system. The fluorescent meters are faster and more accurate than conventional mechanical meters, and can be set to hold maximum peak levels for easier interpretation.



CX-210

AH-40 Rack Mount Handles

For installation in any standard EIA rack, optional AH-40 rack mount handles add a professional touch to the CX-210, CX-270, and all models in the LIBERO system component lineup.



AH-40



CX-270

Here's more of our top-performance cassette deck lineup. If you haven't found the right deck for you in the preceding sections, one of the following is perfectly tailored for your recording needs and budget. And because they're TEACs, you're assured of lasting performance and reliability whichever deck you choose.

CASSETTE DECKS

CX-650R

Stereo Cassette Deck with Bi-Directional Recording and Playback

For the ultimate in cassette convenience, the CX-650R is the deck of choice. It offers bi-directional recording and playback with auto reverse and repeat for uninterrupted listening enjoyment. A

durable sendust head automatically rotates into position for optimum performance in both forward and reverse directions.

*Two-motor transport system *Metal tape compatibility *Independent forward and reverse capstans *Acculign rotating Sendust head *Logic transport controls *Auto reverse and repeat functions

*Gear-coupled input level controls
*Three-position bias and equalization selectors *Precise peak level meters
*Auto spacer function *Rec/play timer selector *Optional remote control unit (RC-100)



CX-650R

A-108SYNC

Simul-Sync Stereo Cassette Deck
The A-108SYNC offers superb TEAC sound quality and reliability plus creative overdub recording capability. You can record on the left channel, then rewind

and overdub on the right channel. Instant one-man duet!
*Simul-Sync recording capability
*Crossfeed function *Mic/Line mixing
*High-reliability transport system
*Built-in Dolby noise reduction system

*Memory rewind *Independent bias and equalization selectors *Accurate VU meters
(Not available in Oceania)



A-108SYNC



A-300

A-300

3-Head Stereo Cassette Deck

Featuring a three-head reproduction system and a unique TEAC mechanical tension servo, the A-300 offers exceptional cassette reproduction quality.

- *Three-head system *Ferrite record and playback heads *Mechanical tension servo system *High-reliability transport system *FG servo transport motor *Double Dolby system *Mic/Line mixing *Independent bias and equalization selectors *Accurate VU meters *Memory rewind function *Output level control

A-430

Auto-Bias Stereo Cassette Deck

In addition to being compatible with the new high-performance metal particle tapes, the A-430 automatically sets the precise bias level for the tape being used, assuring optimum performance with any tape you choose.

- *Automatic bias calibration system *Metal tape compatibility *Three-head reproduction system *Ferrite record and playback heads *Stable FG servo transport motor *Mechanical tension servo *Double Dolby system *Memory rewind *Accurate peak level meters *Mic/Line mixing

A-800

2-Motor, 3-Head Stereo Cassette Deck

Independent motors for capstan and reel drive plus a three-head reproduction system provide superb performance that bridges the gap between cassette and open reel.

- *Dual-capstan closed-loop transport *Three-head reproduction system *Two-motor transport drive *Logic transport controls *Optional remote control unit (RC-90) *Optional dbx interface *Three-position bias and equalization selectors *Precise peak level meters *Record mute function *Mic/line mixing *Memory rewind



A-430



A-800

CASSETTE DECKS



A-109
A-510



A-500

A-109 Stereo Cassette Deck

Precision design and construction and a revolutionary fluorescent bar-graph level metering system make the A-109 an outstanding performer in its class.

- *Fluorescent peak level meters with peak hold function
- *High-reliability transport system
- *FG servo transport motor
- *Independent bias and equalization selectors
- *Record mute function
- *Built-in Dolby noise reduction system
- *Independent left and right channel input level controls
- *Output level control
- *Memory rewind

A-510 Stereo Cassette Deck

Incorporating positive logic transport controls and our fluorescent bar-graph peak meters, the A-510 offers the audiophile an advanced cassette entertainment package.

- *Ferrite record and playback head
- *Fluorescent peak metering system
- *Logic transport control
- *FG servo transport motor
- *Gear-coupled input level controls
- *Built-in Dolby noise reduction
- *Three-position bias and equalization selectors
- *Record mute function
- *Memory rewind
- *Timer record function
- *Optional remote control unit (RC-90)

A-500 Stereo Cassette Deck

Another fine stereo cassette deck with logic transport controls is the A-500. All the deluxe features of the A-510, but with standard high-accuracy peak level meters.

(Not available in Europe and Oceania)

**"Dolby" is a trademark of Dolby Laboratories.

The individual components that make up LIBERO systems have been designed by TEAC engineers to achieve the utmost reproduction transparency. That is, nothing is added to or taken away from the sound. The main requirement for this is minimal distortion. With LIBERO components you'll never hear even a hint of distortion.

BX-300 DC Integrated Amplifier

The BX-300 offers 35 watts of power per channel, surprising economy, and the outstanding low distortion figure of 0.006%. A capacitorless signal path employing direct-coupled circuitry and new high-fr output transistors mean that you hear your music exactly as it should sound—uncoloured by distortion and with full frequency response. There's no need to buy a separate MC head amplifier if you want the superior reproduction quality of moving coil cartridges, the BX-300 has a low-noise MC head amp built in. And the safety of your amplifier output stage and speakers is assured by power overload protection circuitry that shuts off amplifier output the instant a potentially damaging DC voltage appears.

BX-500 High-Speed DC Integrated Amplifier

The BX-500 has plenty of power and performance for even the most critical listener. A unique feed-forward circuit is used in conjunction with direct-coupled circuitry to achieve surprisingly low distortion (0.005%) and an exceptionally high slew rate for full fidelity to the most dynamic music. The signal path is completely free from capacitors that can cause phase shift and distortion, so output is a virtual mirror image of the original signal. There's even a high-performance moving coil cartridge head amplifier built in so you get the benefit of MC reproduction quality without the need for a separate MC head amp. And for the absolute purest in sound reproduction, the BX-500 has a Tone Jump switch which completely bypasses the tone control circuitry so that the AUX, TUNER and TAPE inputs are direct-coupled right up to the speaker output terminals. Other features include wide-range power level meters and instant -20-dB muting.



BX-300



BX-500

TX-500 AM/FM Stereo Tuner

Low distortion is the key for optimum broadcast reception, and the TX-500 is the key component. To reduce distortion to an absolute minimum, our engineers designed a new quadrature detector and PLL (Phase Locked Loop) FM multiplex demodulator and incorporated them into

stable, reliable ICs. The result is a tuner that provides superior FM reproduction clarity, exceptional stereo separation for realistic spatial imaging, and long-term reliability. Other features include independent signal strength and center-tune meters, selectable FM IF bandwidth, built-in recording calibration oscillator, Hi-Blend and FM Muting switches.



TX-500

LIBERO COMPONENT SYSTEMS

TX-300

AM/FM Stereo Tuner

Another star low-distortion performer, the TX-300 lets you listen for hours on end without a trace of listening fatigue or that feeling of "irritation" that results from excessive distortion. Equipped with a newly designed PLL multiplex demodulator IC, the TX-300 makes stereo listening a real pleasure. Channel separation is outstanding with none of the "mushiness" of lesser units. There are independent signal strength and center-tune meters that help you pinpoint any station with ease. And switchable Hi-Blend and FM Muting make it quick and convenient to get the best sound under any broadcast conditions.



TX-300

PX-300

Direct-Drive Player System

Direct drive via an FG servo controlled DC motor gives this turntable its exceptional stability. The servo feedback frequency is generated by a 90-pole magnet and printed detector coil for unsurpassed servo precision. Brushes in the motor are replaced by Hall element position detectors for smoother, more stable rotation.

Extremely high tonearm sensitivity is achieved with a new gimbal tonearm support that offers low resistance to tonearm movement. The turntable base is composed of a new high-specific-gravity barium-loaded compound (BaLCOM), virtually eliminating problems with acoustic feedback. And front-panel function controls make super reproduction super convenient.



PX-300

PX-500

Quartz-Lock Direct-Drive Semi-Automatic Player System

The PX-500 turntable is directly driven by a quartz-locked DC motor for unrivalled rotational stability, and an 8-pole drive magnet makes for super-smooth operation. Just so you're sure the speed is correct at all times, we've added a stroboscope driven by the quartz crystal oscillator. All function controls are located on the front panel rather

than under the dust cover so operation is easier than ever. Plus you get automatic cut and return features that add a welcome touch of convenience. The tonearm is supported by a new gimbal system that offers minimum resistance to tonearm movement so tracking error is dramatically reduced. And a special barium-loaded base compound (BaLCOM) eliminates the problem of acoustic feedback thanks to its high specific gravity and density.



PX-500

SX-300/500/700

Speaker Systems

LIBERO speaker systems provide the vital link between your sound system and you. They perform their job admirably, with outstanding efficiency and stunning fidelity to the original sound. The cones and domes of the drivers are

all critically designed to transform mechanical motion into sound without adding any resonance or distortion. And the all-important crossover networks are precision-engineered for maximum transition smoothness between drivers with minimum loss and distortion.



SX-300
SX-500
SX-700

LIBERO 3000

The Economy Low-Distortion Component System

Offering greater economy than the 5000 or 7000 systems, LIBERO 3000 provides the same superb low-distortion reproduction performance. Perfect for the average listening room, this system gives the music lover a complete entertainment package that outperforms any other in its class. There are plenty of convenient control features, too. You can record cassettes directly from the tuner or turntable at the flip of a switch, without the hassle of having to continually connect and reconnect cables. And with an LX-300 component rack, your LIBERO 3000 system will look as great as it sounds.



BX-300
TX-300
CX-210
PX-300
SX-300
LX-300

LIBERO



BX-500
TX-300
CX-270
PX-500
SX-500
LX-350

LIBERO 5000

The Low-Distortion Component System

This system offers top performance, and a combination of power and economy that's perfect for any home. Since these components are specifically designed for use as a system, matching between them is precise—both electrically and aesthetically. You get great looks and great sound with exceptionally low overall distortion. Put it all together in our LX-350 component rack and you have a well-organized package of superb musical entertainment.



BX-500
TX-500
CX-270
PX-700
SX-700
LX-500/600

LIBERO 7000

The Super Low-Distortion Component System

For the audiophile who wants only the best, we present LIBERO 7000. Featuring our top-performance SX-700 3-way floor type speaker system and versatile LX-500/600 modular component rack, LIBERO 7000 lends a sophisticated atmosphere and stunning concert-hall sound to any listening room.

MULTITRACK AND MASTER RECORDERS



A-3440

A-3440

4-Channel Multitrack Tape Deck

For the songwriter, arranger, instrumentalist or creative recordist, the A-3440 is a perfect way to get your ideas on tape. It offers four channels with fully synchronized overdub recording capability. And a unique Function/Output Select switching matrix makes overdub and sync channel assignment quicker and easier than ever. Each channel has independent input and output level controls as well as precisely calibrated VU meters. And a headphone monitor assignment matrix with level control gives you versatile monitoring capability built in. Based on our renowned TASCAM studio series, the A-3440 provides professional recording capability for the small home studio.

35-2

2-Track Master Recorder

Your multitrack recording must be mixed down to its final stereo master format before presentation to an audience. The 35-2 is an excellent deck for the job. Designed specifically for mastering applications, the 35-2 assures minimum deterioration of sound quality in the multitrack-to-master transfer process thanks to a built-in dbx noise reduction system. For the really demanding audiophile, the 35-2 is a great deck for listening, too. It even features a four-track playback head so you can still enjoy an existing four-track music library.



A-6100MKII



35-2

A-6100MKII

2-Track Master Recorder

Like the 35-2, the A-6100MKII is designed for professional results when mastering from your multitrack tapes. It has a full complement of control and editing features to make the job faster and easier, and is built for long-lasting reliability even through rugged use. An additional four-track playback head means you can listen to four track tapes, too. For your home studio or for the highest-fidelity tape reproduction, top-line TEACs are an outstanding choice for performance, durability, reliability and amazing economy.

ACCESSORIES



RX-9

RX-9
4-Channel dbx Noise Reduction Unit (for A-3440)



GE-20

GE-20
2-Channel, 10-Band Graphic Equalizer



MB-20

MB-20
Meter Bridge (for M-2A)



M-2A

M-2A
6-In/4-Out Mixing Console



MC-210
MC-108

MC-210
One-Point Stereo Electret Condenser Microphone

MC-108
Unidirectional Cardioid Dynamic Microphone



TZ-261

TZ-261
Tape Deck Cleaner Kit



HP-80

HP-200

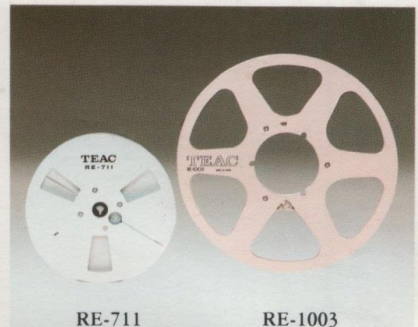
HP-80
Open-Type Stereo Headphones

HP-200
Pro-Series Monitor Headphones



E-3

E-3
Tape Head Demagnetizer

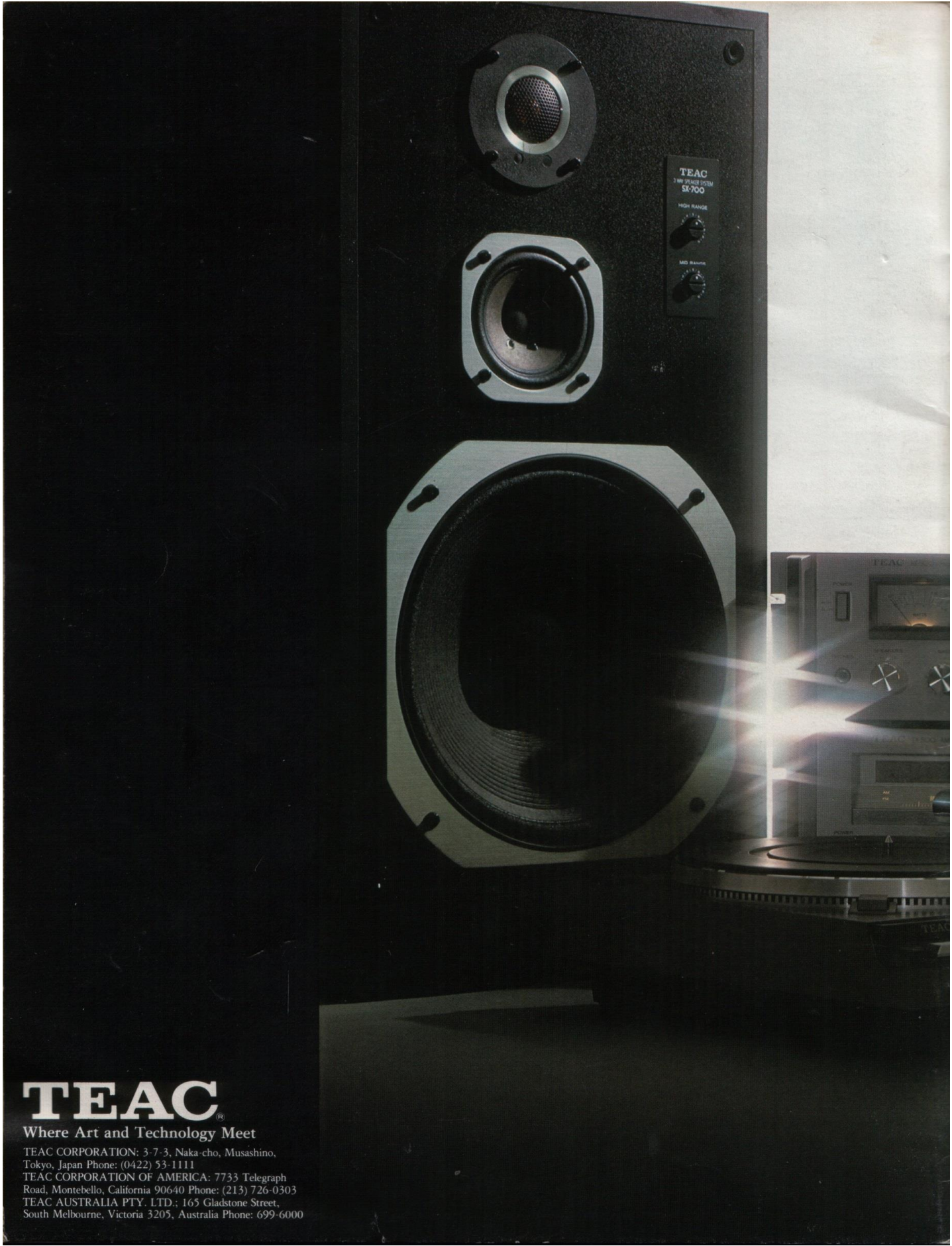


RE-711

RE-1003

RE-711
7" Metal Tape Reel

RE-1003
10-1/2" Metal Tape Reel (Gold)



TEAC[®]

Where Art and Technology Meet

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