

AKAI

Hi-Fi & Video.



Stereo Cassette Deck GX-F44R

Age of the Dolby C-type NR quick-reverse deck.



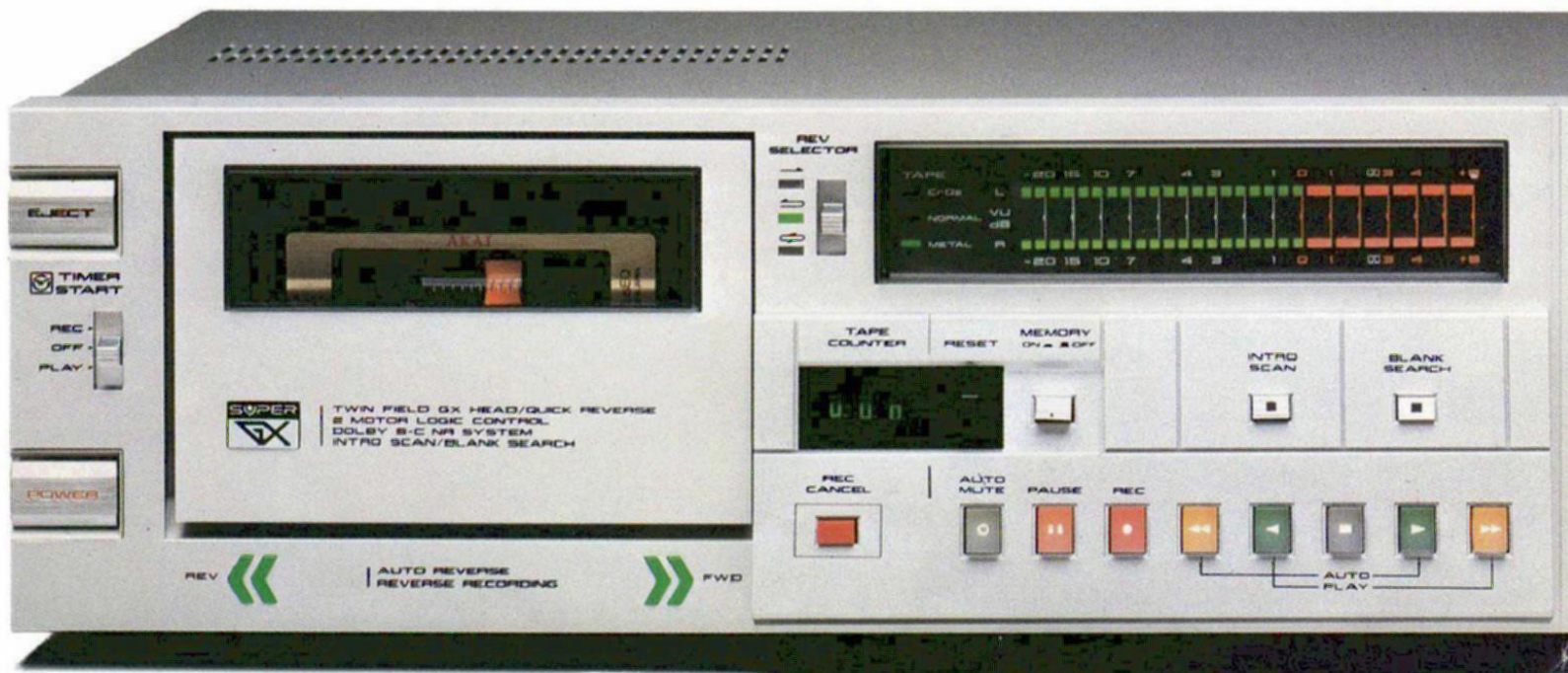
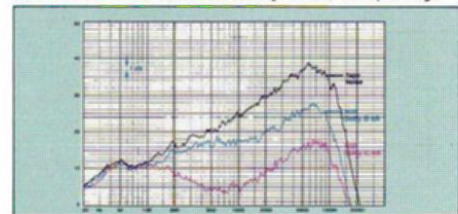
Akai - Creative At Heart.

Introducing the Akai long-playback/rec and Dolby C-type noise reduction.

When it comes to quality features and outstanding performance, the feather-touch, microcomputerized GX-F44R is well endowed. For starters, this extraordinary deck has Akai's very own Twin Field Super GX head, giving it performance that matches the best 3-head system. Akai's original quick-reverse mechanism provides extended recording and playback, without having to stop to turn the cassette over. And there's only a half-second wait between forward and reverse switching. So you miss the minimum of precious recording time. You get a whole lot of automatic and memory functions, too. Like Intro Scan, Blank Search, Rec Cancel, Memory Stop/Play and Auto Play. All these convenient hands-off modes are designed to make operation as simple and as fuss-free as possible. Your recording and playback time is maximized, too. Inside, sophisticated circuitry includes the latest Dolby C-type NR. This reduces noise in the 500Hz region by more than 20dB, thereby making such annoying noise as tape hiss a thing of the past. For making dynamic, distortion-free recordings, you have a fast-responding LED bar meter with peak hold. Complementing all these advanced electronics is Akai's exclusive tape transport system. This assures stable tape travel, even during extended recording or playback sessions. Put all these features, and more, into one high-class stereo cassette deck. And you have the GX-F44R.

1/10 the Noise Level with Dolby C-type NR

Imagine annoying tape hiss reduced to 1/10 of its normal level? Thanks to a new noise reduction system known as Dolby C-type NR, the cleanest recording and playback you've ever heard can be achieved with the GX-F44R. This built-in circuit effectively reduces all noise occurring in the 500Hz range to 1/10 its normal level, for a better than 20dB improvement. What's more, Dolby C-type NR improves tape saturation characteristics, too. This means that you can enjoy far better tonal quality. And your older cassettes recorded with the conventional Dolby NR (i.e. Dolby B-type NR) can be played back on the GX-F44R without any loss in quality.



ording deck with quick reverse

Quick-Reverse Recording/ Playback

Whereas conventional decks waste a lot of time in changing from side A to B or B to A, Akai's exclusive quick-reverse recording/playback operation takes less than 0.5 second.

And the three-position reverse selector gives you the choice of one-way, one-cycle, and continuous operation.



THE REVERSE

<INFRARED RAY TAPE SENSOR>



Twin Field Super GX Head: The Same Sound Quality as a 3-head System

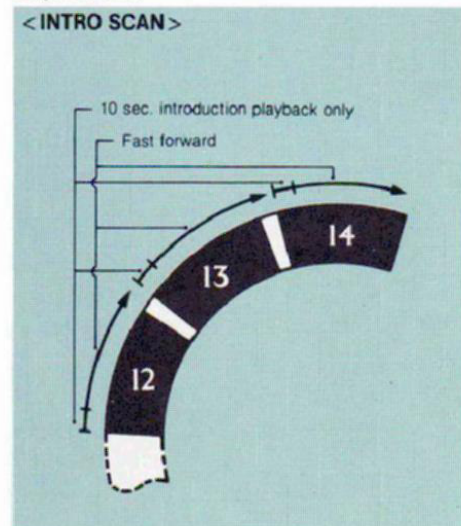
With both recording (4-micron) and playback (1-micron) gaps in a single housing, the Akai Twin Field Super GX head offers performance identical to a 3-head system. This ideal head format is now realized through Akai's unique head structure. Moreover, it permits superior sound quality to be brought out of ordinary as well as metal tapes. In addition to its outstanding sound qualities, the Twin Field Super GX head also excels in the areas of wear resistance, low noise and antidust adherence. These added features are all important for decks like the GX-44R with auto-reverse mechanisms.

*Only source monitoring possible.



button, the deck will continuously preview the first 10 seconds of each selection until you press the appropriate forward or reverse button for normal playback or the stop button.

<INTRO SCAN>

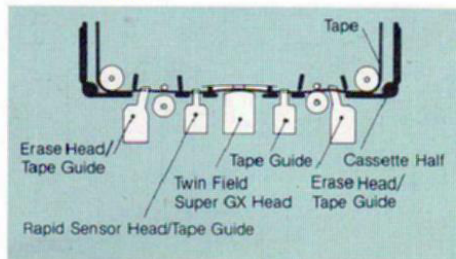


Auto Tape Selector

There's no need to worry about setting tape selector switches or bias and equalization. Just load the desired type of cassette tape, and the corresponding CrO₂, NORMAL or METAL indicator will light and the bias and equalization will be automatically set for optimum recording quality.

Akai Original Tape Transport Mechanism Eliminates Sound Unsteadiness

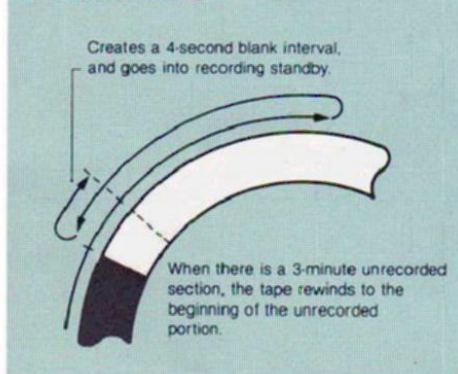
An Akai original tape transport mechanism has been employed to eliminate tape curling and unstable pressure in the record/playback head section which directly affects sound quality. In order to achieve this, the erase heads and tape guides are mounted as shown in the diagram and the tape being transported is firmly held by the left and right tape guides in the record/playback section. In addition, these tape guides make fuller contact with the tape and prevent tape edge turn-up. This is an ideal mechanism for equalizing forward and reverse characteristics.



Blank Search System

It happens so often—you've got an unrecorded portion on the tape which can be used for recording and you want to find it quick and easy. With the Blank Search system, simply press the BLANK SEARCH button and the deck automatically locates the unrecorded portion, creates 4 seconds of blank space and goes into recording standby.

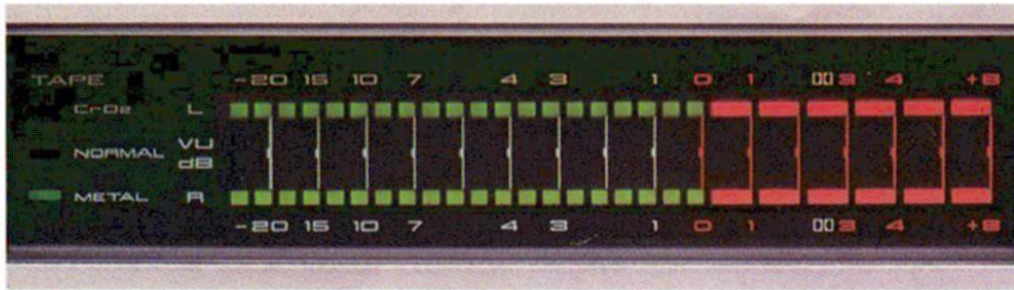
<BLANK SEARCH>



Intro Scan System

Name that tune—finding and playing the selection you like on the tape couldn't be easier. By pressing the INTRO SCAN





LED Bar Meter with Peak Hold

The ultra-responsive LED bar meter provides at-a-glance indication of input and playback signal levels. Its the most accurate

rate way to dynamic, distortion-free recordings.

Other Outstanding Features

- Auto Mute for creating 4 seconds of blank space
- Automatic timer recording/playback capability
- Feather-touch microcomputer function controls
- Color-coded operation buttons with illumination
- Memory switch and auto play operation
- Left and right microphone jacks
- Phones jack for private listening
- Remote control operation with optional remote control unit.

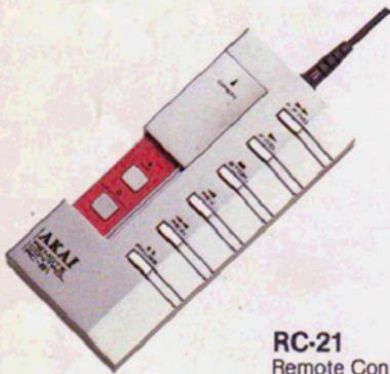
GX-F44R SPECIFICATIONS

Track System:	4 Track 2 Channel Stereo System
Tape:	Philips Type Cassette
Tape Speed:	4.76cm/s $\pm 1.5\%$ (1-7/8 ips. $\pm 1.5\%$)
Heads:	Twin Field Super GX head for recording/playback x 1 Erase head x 2
Motors:	Electronically speed controlled D.C. motor for capstan drive x 1 D.C. motor for reel drive x 1
Wow & Flutter:	Less than 0.035% WRMS, 0.11% (DIN 45 500)
Tape Winding Time:	80 sec. using a C-60 cassette tape
Frequency Response:	Normal: 25 to 16,000Hz ± 3 dB (-20VU) CrO ₂ : 25 to 17,000Hz ± 3 dB (-20VU) 25 to 9,000Hz ± 3 dB (0VU) Metal: 25 to 19,000Hz ± 3 dB (-20VU) 25 to 13,000Hz ± 3 dB (0VU)
Signal to Noise Ratio:	Normal: Better than 58dB CrO ₂ : Better than 60dB Metal: Better than 60dB (measured via tape with peak recording level) Dolby B-type NR ON: Improves up to 5dB at 1kHz, 10dB above 5kHz Dolby C-type NR ON: Improves up to 15dB at 500Hz, 20dB at 1 to 10kHz

Harmonic Distortion:	Normal: Less than 0.8% CrO ₂ : Less than 0.7% Metal: Less than 0.7%
Input:	MIC: 0.25mV (input impedance 5.0k ohms) Required microphone impedance: 600 ohms Line: 70mV (input impedance 47k ohms)
Output:	Line: 410mV at 0VU Required load impedance: more than 20k ohms Phone: 1.3mW/8 ohms at 0VU
DIN:	Input: 2.0mV (input impedance 10k ohms) Output: 410mV Required load impedance: more than 20k ohms
Dimensions:	440(W) x 118(H) x 309(D)mm (17.3 x 4.7 x 12.2")
Weight:	8.6kg (19.0 lbs)

*For improvement purposes, specifications and design are subject to change without notice.
*Dolby™ and the Double D symbol are trademarks of Dolby Laboratories (Manufactured under license from Dolby Laboratories).
*The cassette tape shown in the photographs is an optional accessory.
*The contents of this leaflet are not to be treated as representative as to current availability of products as described or as to products actually offered for sale.
*Recording and playback of material may require consent.

ACCESSORIES



RC-21
Remote Control Unit



AH-20
Head Demagnetizer



C-60MT/C-60MX
Metal Cassette Tapes

AKAI ELECTRIC CO., LTD.

12-14, 2-chome, Higashi-Kojiya,
Ohta-ku, Tokyo, Japan

U 561016ST1 561104-20 Printed in Japan