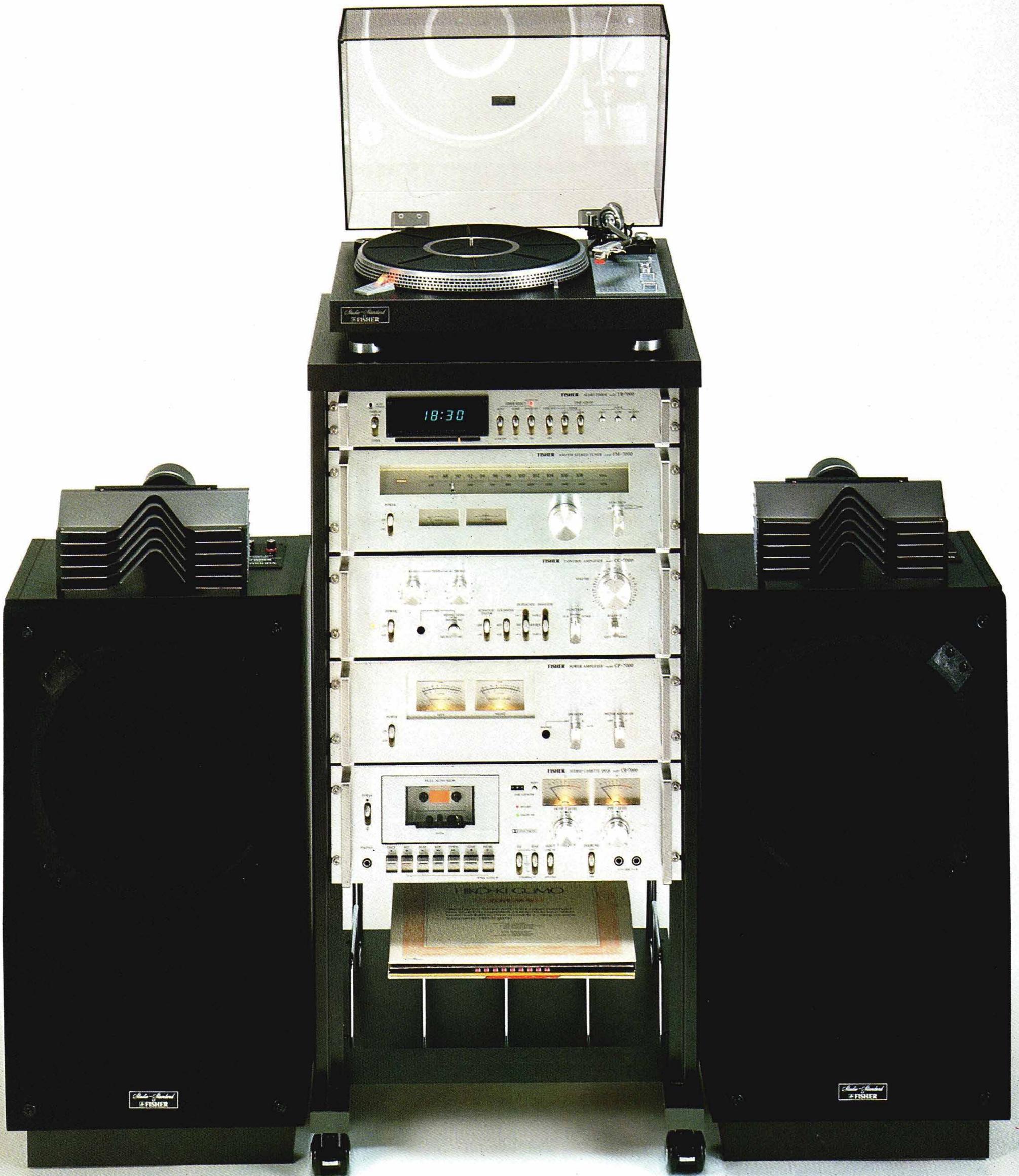


 **FISHER**  
System 7000

Studio Standard  
Component Stereo System



# Matched Studio Components Finished in Silver or Black.



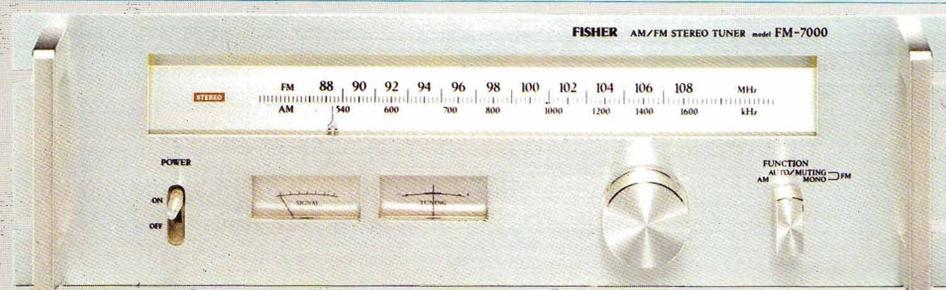
# FISHER

The best of everything.

AM/FM tuner,  
separate control and power amps,  
linear motor direct drive turntable,  
NRB woofer enclosure  
and separate horn tweeter,  
plus optional deck and timer.

## AM/FM Tuner

## FM 7000



The IC/FET design of the FM 7000 ensures the perfect combination of tuner performance characteristics—high sensitivity and selectivity, low distortion and stable stereo separation.

### High Sensitivity (1.9 $\mu$ V, IHF) FM Front End

To ensure good reception of both extra-strong and very weak stations, and deliver the high IHF sensitivity value of 1.9 $\mu$ V, the FM 7000 employs both a low-noise FET and a 3-gang variable condenser in its FM front end. FET incorporation also improves selectivity and reduces noise, while the 3-gang variable condenser improves stereo separation.

### Low Distortion (0.18% MONO) IF Stage

The IF stage of the FM 7000 incorporates a linear-phase 4-element ceramic filter and a 6-stage differential IC amp to suppress spurious response and noise and reduce distortion to a mere 0.18% MONO.

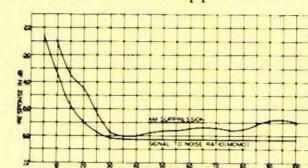
### PLL IC for Stable Stereo Separation

To ensure stable stereo separation and reduced phase distortion, a PLL (Phase-Locked Loop) IC is incorporated in the circuit as the MPX decoder of the FM 7000. The active filter in this MPX section suppresses carrier leak distortion to bring the S/N ratio up to 65dB.

### 2 Meters plus an Extra-Wide Tuning Dial

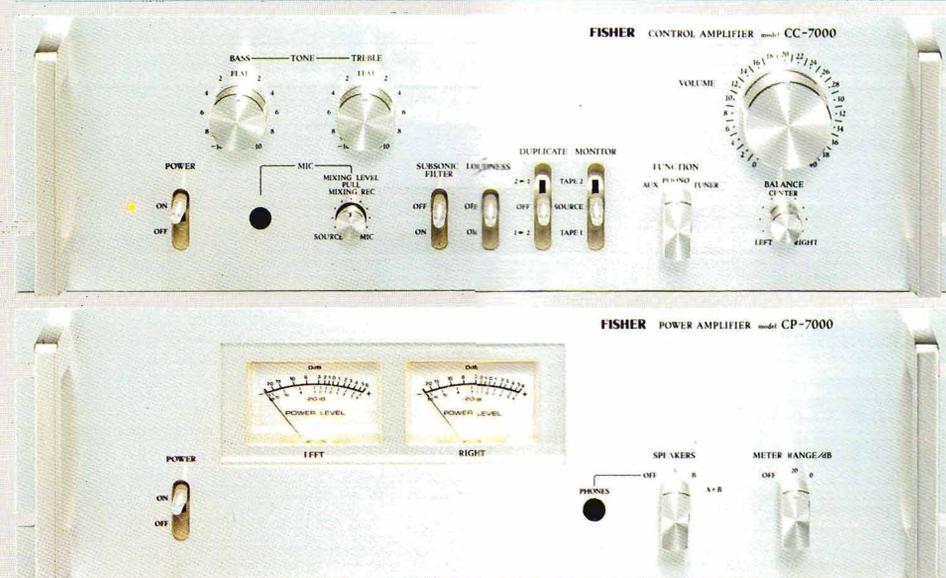
The FM 7000 features an extra-wide (198mm) illuminated tuning dial, a signal strength meter and a zero-center tuning meter for extra ease and accuracy in tuning.

### Antenna Input Level vs. S/N Ratio and AM Suppression



## Control/Power Amplifiers

## CC 7000 CP 7000



Matched control and power amps that offer faithful reproduction and plenty of power, plus a full range of controls for precise music tailoring to suit listening room and listener preference.

### Control Amp CC 7000

#### High Sensitivity and a Superb S/N Ratio

To ensure the super-faithful amplification and phono equalization that are essential in a control amp, the CC 7000 incorporates first-stage differential amp, all stages direct coupled pure complementary circuitry in the form of monolithic ICs in its equalizer and flat amp sections. The result is a phono S/N ratio of 70dB and an RIAA deviation value of only  $\pm 0.5$ dB.

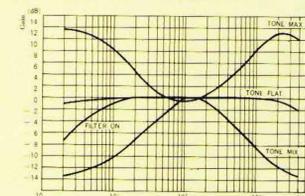
#### Simplified Mike Mixing

A mike jack and mike volume control are provided on the front panel of the CC 7000 for professional effects during recording and playback.

#### Extra Features for Greater Versatility

The CC 7000 features two tape inputs, tape duplicate and monitor controls, plus a subsonic filter and a loudness control.

### Tone Control Characteristics



### Power Amp CP 7000

#### Continuous Output Power: 50W + 50W

The CP 7000 incorporates first-stage differential amp, 4-stage direct-coupled OCL circuitry in the form of a hybrid power IC that delivers a hefty 50W per channel continuous power across the 20–20,000Hz

range, both channels driven at 8 ohms.

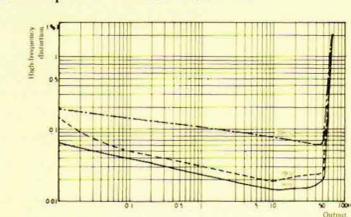
#### Low Distortion and Reduced Noise

The advanced IC circuitry of the CP 7000 keeps harmonic distortion down to 0.1% at rated power (1kHz) and residual noise at 0.3mV.

#### Switchable VU Meters

The CP 7000 is equipped with VU meters and an OFF/–20dB/0dB meter range switch.

### Output vs. Distortion Rate



## Turntable

## MT 6225

To overcome the problems of cogging action, rumble and low starting torque, the MT 6225 incorporates an elegantly simple yet revolutionary drive and servo system.

### Linear Motor Direct Drive System for Silent, Stable Rotation

Direct drive eliminates noise-emitting transmission systems, while the linear motor system of the MT 6225 goes one step beyond conventional direct drive systems and makes the turntable platter the motor rotor in a remarkably simple design that reduces vibration while raising dependability. 120 magnetic poles are placed on a large (210mm) rotor to lower the motor speed to the exact platter speed for extra rotational speed accuracy, super-smooth rotation and high starting torque for instant warm-up.

### FG Servo Motor Keeps Wow and Flutter at 0.03% WRMS

Incorporation of the linear motor in the MT 6225 eliminates the need for an extra magnet in the servo mechanism, and this added simplicity means increased reliability and a wow and flutter rate of only 0.03% WRMS.

### Convenient Auto Return

The semi-automatic tonearm system of

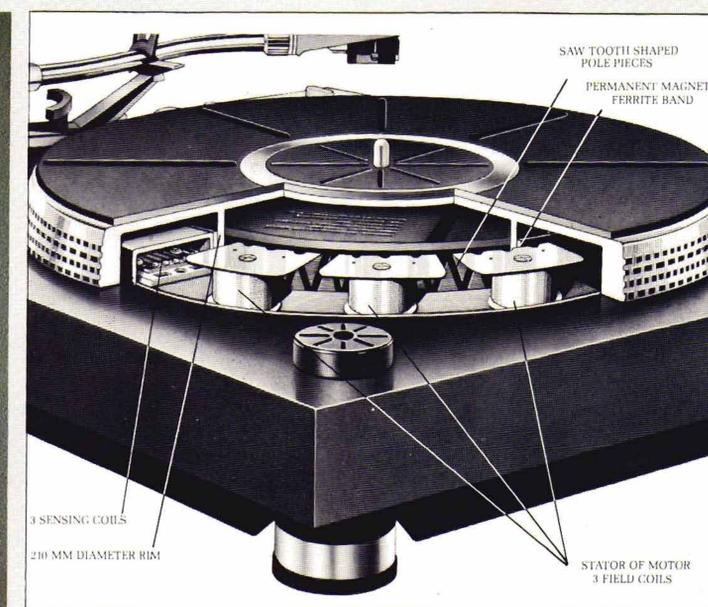
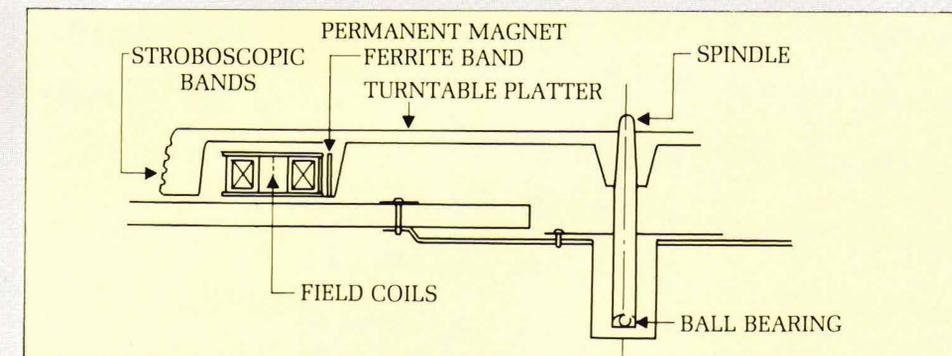
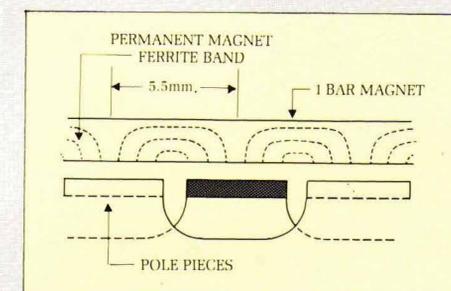
the MT 6225, plays the record, and, after finishing or upon receipt of a signal from the reject switch, sends the arm return to its rest and turns the motor off.

### Slab-Type Base with High Protection Against Acoustic Feedback

The slab-type base of the MT 6225 absorbs external vibration and is also equipped with a thick insulator to prevent acoustic howling. When combined with the effect of the large moment of inertia of the 312mm aluminum die cast platter, this design raises the S/N ratio to 70dB.

### Wide Range of Features

MT 6225 features also include an adjustable anti-skating mechanism, an S-shaped and an oil-damped cueing system.



## Woofer Enclosure and Separate Horn Tweeter

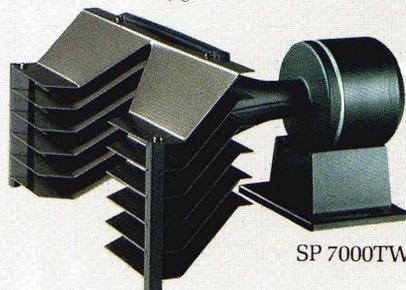
Featuring a wide, flat frequency response and excellent omnidirectional characteristics, this 2-way speaker system is composed of an NRB woofer enclosure and a separate horn tweeter.

### 30cm Woofer and NRB Enclosure for Enhanced Bass Reproduction

The large (30cm) aluminum die cast woofer and NRB (non-resonance bass) enclosure of the SP 7000BX work together to enhance bass reproduction and reduce resonance. The slanting baffle board employed in this NRB enclosure prevents interference from bass sound reflected off the floor. This efficient combination delivers a sound pressure level of 94dB (1W, 1m) for superb coverage of low and middle frequencies.

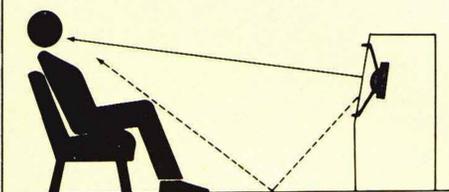
### Large Horn Tweeter with Refraction Lens System

To reduce resonance and distortion and ensure a sound pressure level of 98dB (1W, 1m) the SP 7000TW incorporates a large aluminum die cast exponential horn tweeter with a powerful magnetic circuit and special mylar film diaphragm. The refraction lens system design is employed to improve omnidirectional characteristics. This unit can be adjusted to suit the listening room.

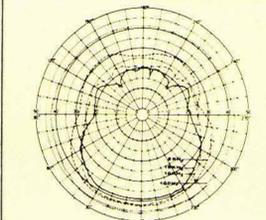


SP 7000TW

#### ■ Sound Transmission by Slanted Baffle



#### ■ Directional Characteristics



## SP 7000BX SP 7000TW

## Cassette Deck

## CR 7000



This front-loading component tape deck boasts a wow and flutter value of only 0.08% WRMS, and comes complete with a recording mute key and separate bias and equalizer tape selectors.

### Timer Stand-By

When connected to the audio timer, the CR 7000 can be used for absentee recording of FM broadcasts and as a musical alarm clock.

### 3-Position Bias/Equalizer Switch

For obtaining the most from any kind of

tape, this unit is equipped with a 3-position switch on the front panel (CrO<sub>2</sub>/FeCr/Normal) for bias and equalization.

### 2-Gang Input and Output Level Controls

2-gang level controls enable one-step adjustment of both the left and right channels. The input level control adjusts the level of turntable, tuner, or second deck input for convenient recording level control.

## Timer

## TR 7000



This system also offers timer that can be used for absentee recording, as a musical alarm or sleep timer, and as a precision timepiece.

### Power Failure Indication

The LED of the timer will flash if power has been cut off and then resumed. This feature lets you know that the clock has to be reset.

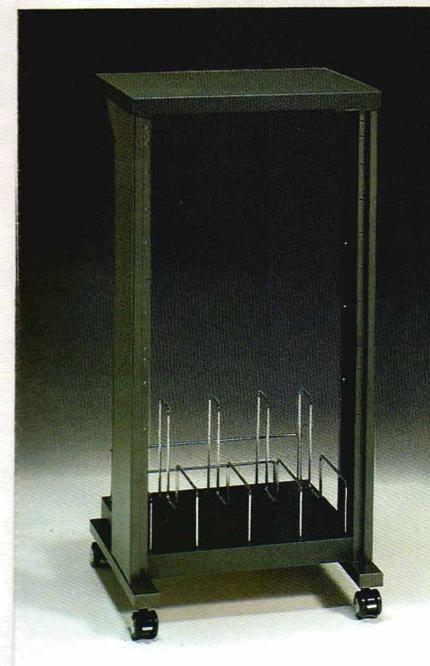
### Extra Features

This timer also features a green display with 24 hours indication and an auto dimmer, time set marker, and 4 AC outlets.

### Audio Rack

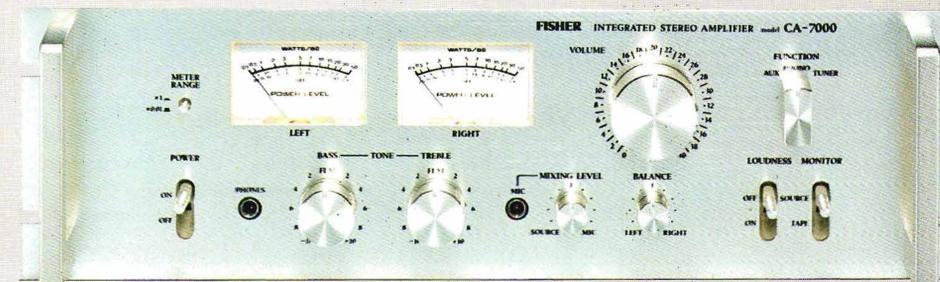
### RA 7000

Type: Upright rack  
Designed for: System 7000  
Dimensions: 500(W)×1,020(D)×398(D)mm  
Color: Black  
Delivery condition: unassembled (with casters)



## Integrated Amplifier

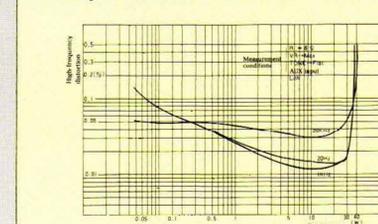
## CA 7000



### 80W Integrated Amplifier

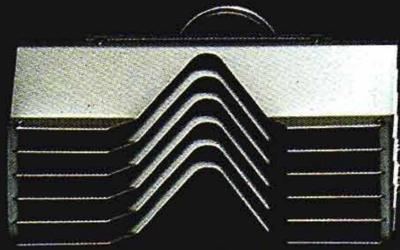
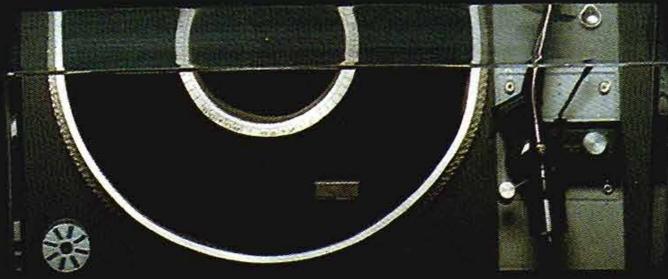
Quality circuitry is employed to deliver an impressive 40W continuous output power per channel across the 40–20,000Hz range with only 0.3% total harmonic distortion. Frequency response is flat (only ±1.5dB deviation) across the 20–20,000Hz range at 1W.

#### ■ Output vs. Distortion Rate



An integrated amp, the Fisher CA 7000, can be used in place of the CC 7000 control amp and CP 7000 power amp in a System 7000 set up.





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# SPECIFICATIONS

AM/FM Tuner	FM 7000
<b>FM Section</b>	
Sensitivity (IHF)	1.9 $\mu$ V
Image Response Ratio	55dB
IF Response Ratio	70dB
AM Suppression Ratio	55dB
Capture Ratio	1.4dB
Selectivity	80dB
Signal-to-Noise Ratio	65dB (MONO)
Total Harmonic Distortion	0.18% (MONO)
Stereo Separation	40dB (400Hz)
<b>AM Section</b>	
Sensitivity (Rod Antenna)	300 $\mu$ V/m
Image Response Ratio	40dB
IF Response Ratio	45dB
Selectivity	35dB
Signal-to-Noise Ratio	55dB
<b>General</b>	
Power Consumption	11W
Dimensions	450(W) $\times$ 135(H) $\times$ 265(D)mm
Weight	4.0kg

Control Amplifier	CC 7000
Input Sensitivity/Impedance	PHONO: 2.7mV/50Kohm MIC: 150mV/50Kohm Other inputs: 150mV/45Kohm
Output Level/Impedance	Outputs A & B: 1V/1Kohm Tape Rec 1 & 2: Less than 150mV/500 ohm
RIAA Deviation	$\pm$ 0.5dB
Frequency Response	10—30,000Hz (—2dB)
Tone Control	BASS: $\pm$ 10dB (100Hz) TREBLE: $\pm$ 10dB (10kHz)
Subsonic Filter	50Hz (—3dB DOWN)
Loudness Contour	+8dB (100Hz), +3dB (10kHz)
Signal-to-Noise Ratio	PHONO: 70dB (A Network) TUNER: 90dB (A Network) AUX: 90dB (A Network)
PHONO Max. Input Capacity	180mV (1kHz, RMS)
Power Consumption	5W
Dimensions	450(W) $\times$ 135(H) $\times$ 265(D)mm
Weight	4.5kg

Power Amplifier	CP 7000
Continuous Output Power (20—20,000Hz, 8 ohms, both channels driven)	50W + 50W
Harmonic Distortion	
1kHz, rated power	0.1%
1kHz, 10W output power	0.02%
IM Distortion (1kHz, 10W output power)	0.05%
Frequency Response	10—30,000Hz, —2dB
Signal-to-Noise Ratio	110dB (A Network)
Input Sensitivity/Impedance	1V/50Kohm
Power Consumption	100W
Dimensions	450(W) $\times$ 135(H) $\times$ 285(D)mm
Weight	7.8kg

Integrated Amplifier	CA 7000
Continuous Output Power (40—20,000Hz, 8 ohms, both channels driven)	40W + 40W
Total Harmonic Distortion	0.3%
Frequency Response (1W, both channels driven, 20—20,000Hz)	$\pm$ 1.5dB

Turntable	MT 6225
Type	2-speed direct drive automatic
Motor	Linear motor
Wow and Flutter	Less than 0.03%
Signal-to-Noise Ratio	—70dB (DIN B)
<b>Tonearm</b>	
Type	Static balanced S-shaped Tubular
Effective Length	222mm
Tracking Error	Less than $\pm$ 1.5 $^\circ$
<b>Cartridge optional</b>	
Type	VMS 20eos MK2 (ortofon)
Frequency Response	20—20,000Hz
Stereo Separation	Over 20dB (1kHz)
Stylus	18/8 $\mu$ m elliptical diamond stylus
Power Consumption	3.5W
Dimensions	450(W) $\times$ 155(H) $\times$ 380(D)mm
Weight	8.0kg

Woofers Enclosure	SP 7000BX
Type	NRB type woofer enclosure
Driver	30cm aluminum die cast loudspeaker
Maximum Input	75W (peak)
Sound Pressure Level	94dB (1W/m)
Reproduction Frequency Range	38Hz—3kHz (crossover frequency) (38—20,000Hz with SP 7000TW)
Impedance	8 ohms
Dimensions	377(W) $\times$ 720(H) $\times$ 333(D)mm
Weight	1.75kg (1 pce.)

Horn Tweeter	SP 7000TW
Type	Exponential horn tweeter (with refraction lens system)
Maximum Input	60W (actual input, over 2kHz)
Reproduction Frequency Range	2kHz—20kHz
Sound Pressure Level	98dB
Impedance	8 ohms
Dimensions	246(W) $\times$ 124(H) $\times$ 234(D)mm
Weight	1.45kg (1 pce.)

Cassette Deck	CR 7000
Motor	DC motor
Wow and Flutter	Less than 0.08%
Frequency Response	30—14,000Hz (Normal tape) 30—16,000Hz (Chrome tape)
Signal-to-Noise Ratio	52dB
Power Consumption	7W
Dimensions	450(W) $\times$ 155(H) $\times$ 300(D)mm
Weight	6.0kg

Timer	TR 7000
Time System	Aligned with power source frequency
Timer Type	24-Hour Type
Sleep Timer	1—59min.
Power Failure Indication	Flashing LED
Dimensions	450(W) $\times$ 75(H) $\times$ 124(D)mm
Weight	1.5kg

\*Specifications subject to change without notice.

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