

Fostex®



RP Series
Stage & Studio Headphones

PROFESSIONAL

Main features

- Patented RP Technology
- Single entry locking 3 metre 'copper construction' cord
- Padded ear cushions for maximum sound isolation and deep bass reproduction
- Wide, self-adjusting headband for superb comfort and extended wearing periods
- Compatible with all analog and digital formats

T50RP

- Frequency Response: 15Hz - 35kHz
- Damped semi-open style
- Newly developed RP Diaphragm with copper foil etched polyimide film and neodymium magnet construction for accurate and natural acoustic sound reproduction
- Superb quality and perfect for commercial recording use

T40RP

- Frequency Response: 20Hz - 25kHz
- Enclosed style for excellent sound reproduction. Also prevents feedback into the mic at recording sessions
- Ideal for professional use in commercial recording studios and DJ work

T20RP

- Frequency Response: 20Hz - 30kHz
- Semi-open style. Light weight for extra comfort
- Excellent transient characteristics
- Ideal for professional use in commercial recording studios and DJ work

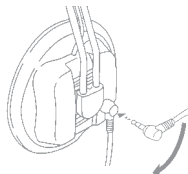
RP Series Professional Headphones



LOCKABLE JACK

All RP Series headphones feature single entry side jack with the plug point featuring a locking mechanism for secure operation.

A single cord minimizes cord tangles and offers exceptional ease of service. The supplied quality 3 metre cable (copper construction) assures optimum audio quality.



True and accurate headphone monitoring is crucial for recording studios, video post houses, remote broadcast facilities, project studios and DJ's the world over. Everyone wants headphones which faithfully reproduce all aspects of the program material, free from any sonic coloration and distortion.

Enter Fostex's superb range of RP Professional headphones.

A range of headphones which have been designed from the outset to offer the widest frequency range, to minimise listening fatigue and to allow you to accurately pinpoint and analyse all aspects of your creative output.

UNIQUE RP TECHNOLOGY

Key to the excellent and superbly transparent sound reproduction is Regulated Phase Technology, a proprietary transducer and diaphragm design that has earned Fostex more than twenty international patents.

This unique technology has been applied successfully to microphones, headphones and loudspeakers used and relied upon in professional and commercial sound installations worldwide.

And in the case of the T50RP, this technology has been enhanced still further in a new RP Diaphragm which uses copper foil etched polyimide film to provide superb resistance to high level input peaks of up to 3000mW.

CLARITY OF SOUND

All RP Series headphones deliver supreme uncolored reproduction and a natural clear sound across the full frequency range. The highs really do sparkle, the mids are crystal clear and nothing is missing from the low-end. But it's the sonic quality at high sound pressure levels which really sets these headphones apart. Whereas lesser headphones struggle at high sound pressure levels, the RP Series has no such problems. The bass is always powerful and distortion-free even at high levels.

T50RP Why is it so special?

The T50RP utilizes a newly designed development called an 'RP Diaphragm'. This unique Fostex technology employs a copper foil etched polyimide film to provide resistance to high level input peaks of up to 3000mW combined with a neodymium magnet for high sensitivity and excellent transient handling.

This combination lifts quality of the T50RP's audio reproduction above that of the already superb T40RP and T20RP.

In short, the T50RP offers perhaps the most natural and uncolored sound yet heard from a pair of studio headphones.

ULTRA COMFORTABLE - EVEN FOR LONG PERIODS
When you're on one of those 'round-the-clock' sessions, the last thing you need is ill-fitting, clunky headphones. Rest assured, that the wide self-adjusting headband and padded leatherette ear cushions make the RP Series some of the most comfortable headphones around.



Essential when headphone monitoring in noisy environments such as ENG recording, DJ work, and in applications where you need to concentrate totally on your the program material.

The leatherette padded ear cushions have also been designed to provide excellent sound isolation and superb deep bass reproduction

RUGGED CONSTRUCTION

Manufactured to the most exacting standards with durable, tough and rugged materials and components, RP Series headphones are built to last.

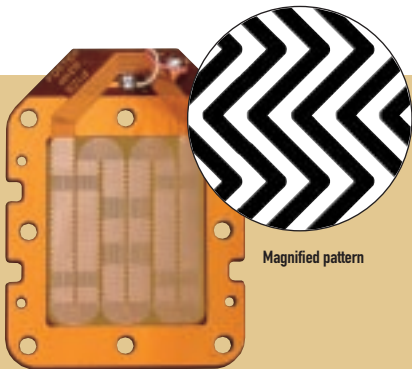
They're also built for comfort. Those padded ear cushions and



UNIQUE RP TECHNOLOGY
'RP' stands for 'Regulated Phase', a transducer technology which has earned Fostex over 20 international patents. It has been applied to headphones, microphones, loudspeakers used in professional and commercial recording sound installations the world over.

wide, self adjusting headbands ensure maximum comfort and fit during extended wearing periods. A nice touch is the lockable, single entry jack which minimizes cord tangles and offers excellent serviceability.

Whether you're monitoring analog or digital audio sources, work in a professional or project studio, mixing live, or need a great pair of headphones for DJ applications, Fostex RP Series headphones simply do the job.



Magnified pattern

RP DIAPHRAGM

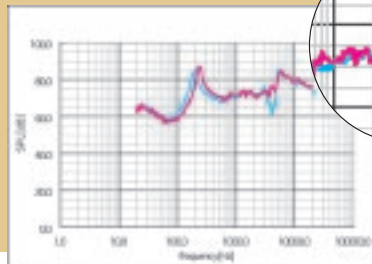
By making the pattern of the coil a zigzag pattern, the stiffness of vertical and horizontal directions is well balanced reducing unwanted peaks in high frequencies and resulting in a very natural sound. By using copper foil rather than conventional aluminium foil and by using a base film constructed of polyimide instead of conventional polyester, the T50RP superbly handles high sound pressure levels with minimum distortion.



STRAIGHT LINE PATTERN
The Doppler Vibration Laser Analysis diagram clearly shows that a straight line coil pattern exhibits unwanted peaks and troughs.



ZIGZAG PATTERN
The Doppler Vibration Laser Analysis diagram above shows that a zigzag coil pattern results in much smoother results.



— Zigzag coil pattern
— Straight line coil pattern

MAGNETIC CIRCUIT

The design of the magnet and its neodymium construction means that the T50RP realizes three-time more flux density than usual. In addition flux vectors are efficiently distributed inside the circuit with minimal leakage. It's these technological advancements and attention to detail which sets the T50RP apart.



RUGGED CONSTRUCTION

To minimize unwanted resonances and to increase rigidity, the drive unit is securely adhered to the housing by using a joint pole which has anti-vibration material bonded on its contact surfaces. High sound pressure levels are handled with ease.



PROFESSIONAL Specifications

T50RP

Type	Semi-open RP dynamic
Frequency Response	15 Hz - 35 kHz
Sensitivity	98 dB/mW
Max Input	3000 mW
Impedance	50 ohm
Weight	330g (excluding cable)



At a glance...

- Damped semi open style and unique RP technology result in an extended low-frequency range plus crystal-clear mid and high frequency reproduction
- Lockable 3m headphone cord supplied

T20RP

Type	Semi-open RP dynamic
Frequency Response	20 Hz - 30 kHz
Sensitivity	96 dB/mW
Max Input	200 mW
Impedance	50 ohm
Weight	330g (excluding cable)

At a glance...

- Semi open style - smooth vocal reproduction along with punchy low and well balanced mid/high frequencies
- Lockable 3m headphone cord supplied
- Head pad supplied for extra comfort



T40RP

Type	Enclosed RP dynamic
Frequency Response	20 Hz - 25 kHz
Sensitivity	93 dB/mW
Max Input	200 mW
Impedance	50 ohm
Weight	330g (excluding cable)

At a glance...

- Enclosed style for maximum feedback prevention and clear transparent reproduction off all audio frequencies.
- Lockable 3m headphone cord supplied
- Ultra comfortable with - Head pad supplied



Also available...



T Series Dynamic Headphones

Manufactured from ultra-light materials (these comfortable sets weigh in at under 230g) and featuring new diaphragms to maximize audio performance, these stereo headphones offer superb all-round capability. Ideal for less demanding applications.

T-5 specs

■ Impedance	44 ohm
■ Sensitivity	96dB/mW
■ Max input level	100mW
■ Weight	220gm

T-7 specs

■ Impedance	70 ohm
■ Sensitivity	98dB/mW
■ Max input level	100mW
■ Weight	230gm

Fostex

Distributor / Authorised Dealer

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