

# Service manual

Teil 1

**PHILIPS**



**RECORDERS N 4450**

00/15/19/43



55-6A

## INHALTSVERZEICHNIS

Einführung	CS31885
Spezifikation	CS31886
Ein- und Ausgänge	CS31887
Anschlüsse und Bedieneinsorgane	CS31888
Umschalten auf eine andere Netzspannung und/oder Netzfrequenz	CS31890
Funktionelle Einheiten des Verstärkerteils	CS31708-CS31716
Beschreibung des Steuerteils	CS31891
Kurzschlussicherung in der Endstufe	CS31892
Funktionelle Einheiten des Steuerteils	CS31893-CS31894
Hall-Motor	CS31895

## EINFÜHRUNG

Gerät N4450 ist ein Stereo-Spulen-Tonbandgerät, das sich für Horizontal- und Vertikalbetrieb eignet. Spulen mit einem Durchmesser bis 26,5 cm (10 1/2") können für dieses Gerät benutzt werden. Das Band kann sowohl von links nach rechts als auch von rechts nach links laufen und in beiden Richtungen benutzt werden. Falls erwünscht, schaltet das Gerät den Bandtransport bei Bandende automatisch auf Gegengerichtung (Reversbetrieb).

Hierzu wurde die Kopfträgerplatte mit sechs Magnetköpfen bestückt, und zwar mit zwei Aufnahmeköpfen, zwei Wiedergabeköpfen und zwei Löschköpfen.

Das Gerät hat drei Motoren - einen Hall-Servomotor zum Antrieb der Tonwellen und zwei Gleichstrommotoren zum Umspulen und Antreiben der Spulenteiler. Die Steuerung des Laufwerks geschieht über Tipptasten. Durch Drücken einer Taste wird ein Schalter geschlossen und ein Solenoid (Elektromagnet) erregt, das das Laufwerk in die entsprechende Position schaltet.

Der Verstärker hat eine Ausgangsleistung von 2 x 20 W (innerhalb 1 dB mit < 1 % Klirrfaktor); er kann auch benutzt werden, wenn das Laufwerk nicht eingeschaltet ist.

Mit einer eingebauten Synchronuhr ist es möglich, das Gerät einmal innerhalb von 24 Stunden ein- und auszuschalten. Der Verstärker und der Steuerteil bestehen aus verschiedenen kleinen stockbaren Printplatten (funktionelle Einheiten), die auf einer grossen Printplatte befestigt sind.

Für die technischen Daten siehe die Spezifikation.

Index: CS31885-CS31888, CS31708, CS31889, CS31890, CS31708-CS31716, CS31891-CS31895



CS31885



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# Philips Recorder Manual

**Judd E. Hollander**



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introduced throughout the book Joey Jones Madisonville Community College Kentucky USA This book is intended for students in biomedical engineering technology and healthcare technology management BMET HTM programs as well as biomedical engineering students Field service representatives medical device designers and medical device sales representatives will also find it useful

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## **Table of Contents Philips Recorder Manual**

1. Understanding the eBook Philips Recorder Manual
  - The Rise of Digital Reading Philips Recorder Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Philips Recorder Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Philips Recorder Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Philips Recorder Manual
  - Personalized Recommendations
  - Philips Recorder Manual User Reviews and Ratings
  - Philips Recorder Manual and Bestseller Lists

5. Accessing Philips Recorder Manual Free and Paid eBooks
  - Philips Recorder Manual Public Domain eBooks
  - Philips Recorder Manual eBook Subscription Services
  - Philips Recorder Manual Budget-Friendly Options
6. Navigating Philips Recorder Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Philips Recorder Manual Compatibility with Devices
  - Philips Recorder Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Philips Recorder Manual
  - Highlighting and Note-Taking Philips Recorder Manual
  - Interactive Elements Philips Recorder Manual
8. Staying Engaged with Philips Recorder Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Philips Recorder Manual
9. Balancing eBooks and Physical Books Philips Recorder Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Philips Recorder Manual
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Philips Recorder Manual
  - Setting Reading Goals Philips Recorder Manual
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Philips Recorder Manual
  - Fact-Checking eBook Content of Philips Recorder Manual
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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