SONY

MEMORY LABEL READER/WRITER

MLU-100A

⚠警告 電気製品は、安全のための注意事項を守らないと、火災や人身事故になることがあります。

このオペレーションマニュアルには、事故を防ぐための重要な注意事項と製品の取り扱いかたを示してあります。**このオペレーションマニュアルをよくお読みのうえ、**製品を安全にお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

Tele-File

OPERATION MANUAL Japanese/English

1st Edition

Serial No. 10001 and Higher

For the customers in U.S.A.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does not harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- Reorient or re locate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Table of Contents

Overview ..... **3(GB)**
Features of the MLU-100A ..... 3(GB)
Locations and Functions of Parts and Controls ..... **4(GB)**
Top panel ..... 4(GB)
Connector panel ..... 4(GB)
Connections and Operations ..... **5(GB)**
Connection to a personal computer ..... 5(GB)
Writing, reading and rewriting data ..... 5(GB)
Specifications ..... **6(GB)**

Overview

The MLU-100A is a memory label reader/writer specifically designed for use with MLB-1B-100/1D-100 memory labels (sold separately).

The reading, writing or rewriting of memory label information is done through the transfer of data from a personal computer to the MLU-100A over an RS-232C cable or an infrared link.

Note

Write, read and rewrite operations require the use of the optional MLZ-100 application software or similar user-developed software.

The MLU-100A can read, write or rewrite label data when a label is held up to it. Since data transfer between the MLU-100A and a memory label requires no contact, there is no soiling or wearing down of physical components. High reliability is thus maintained even after repeated operations.

Features of the MLU-100A

Data writing

Information about videocassette contents can be written to a memory label.

Data reading

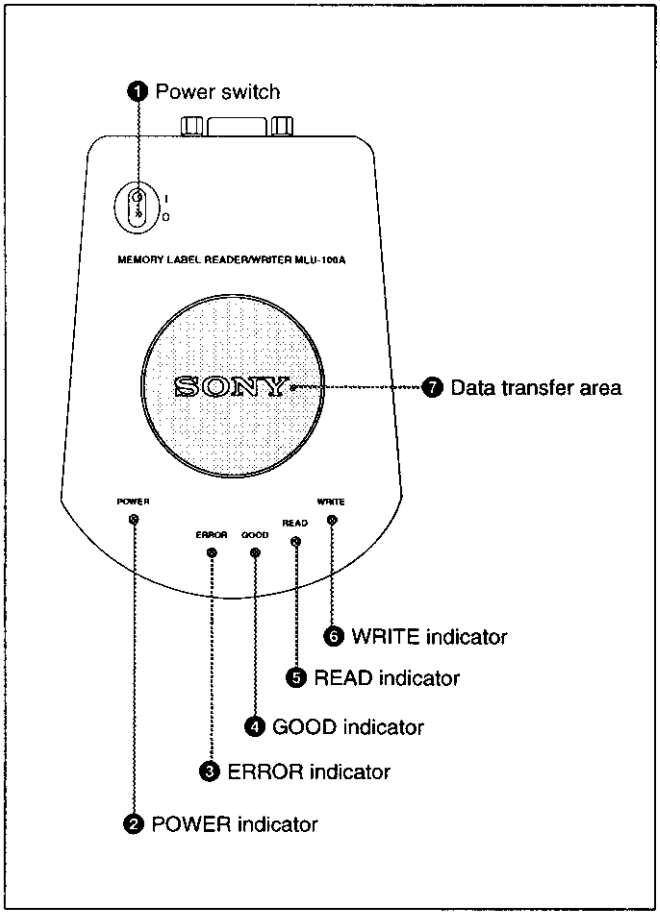
Information on a memory label can be read out.

Data rewriting

Information on a memory label can be rewritten.

Locations and Functions of Parts and Controls

Top panel



❶ Power switch
Turns the power on or off.
I: The power is on.
O: The power is off.

❷ POWER indicator
Lights up green when the power is turned on.

❸ ERROR (read/write error) indicator
This indicator lights up red and three short beeps are emitted when a read/write error has occurred in the MLU-100A.

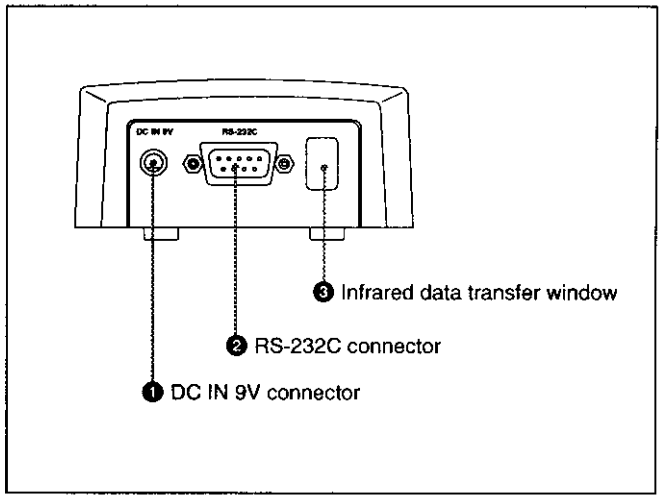
❹ GOOD (writing/reading completed) indicator
This indicator lights up green and one short beep is emitted when a reading or writing operation has completed normally.

❺ READ (read stand-by) indicator
Lights up green when the MLU-100A is in read stand-by status.

❻ WRITE (write stand-by) indicator
Lights up orange while the MLU-100A is in write stand-by status.

❼ Data transfer area
Hold memory labels over this area for data transfer.

Connector panel



❶ DC IN 9V connector
Connect the DC output cable of the AC-E90HG AC adaptor here.

❷ RS-232C (RS-232C serial interface) connector (D-sub, 9-pin)
Connect an RS-232C cable from a personal computer here to enable the transfer of RS-232C serial interface signals.

❸ Infrared data transfer window
Window for infrared data transfers with a personal computer.

Connections and Operations

Connection to a personal computer

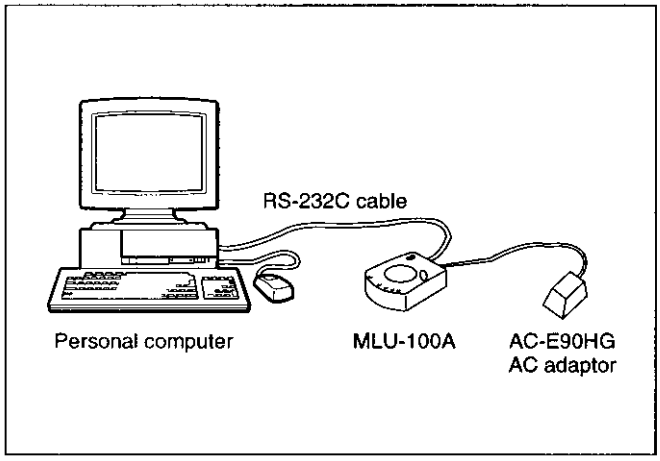
1 Set the internal switch to the communication method to be used with the personal computer.

For details on the setting of the internal switches, refer to the supplied maintenance manual.

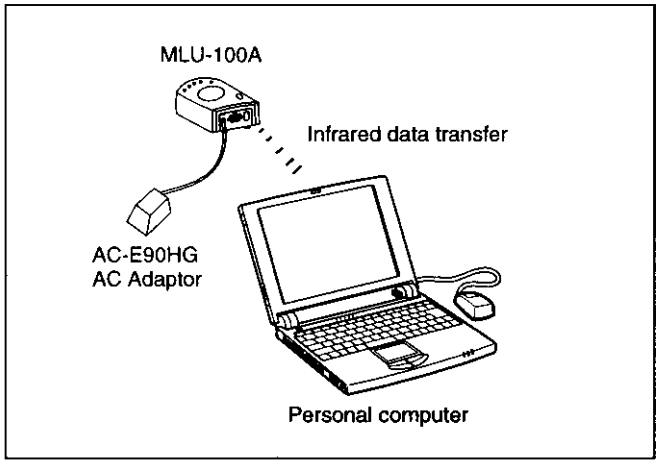
Note

The MLU-100A is factory set for RS-232C serial interface.

2 Connect the MLU-100A to the personal computer.



For RS-232C communications



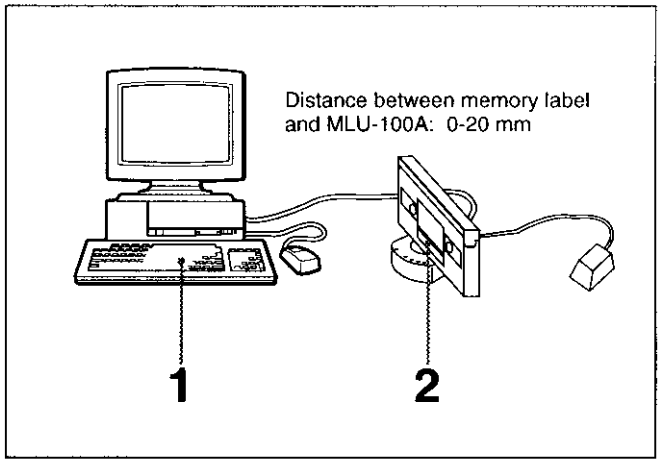
For infrared data transfer

Notes

- Be sure the infrared data transfer window on the MLU-100A faces the infrared emitter/detector on the personal computer.
- Infrared data communications are possible only within a distance of one meter.

Writing, reading and rewriting data

Do the procedure below to write, read or rewrite memory label data.



1 Use a personal computer to write, read or rewrite memory label data.

For details on these operations, refer to the user's guide supplied with the MLZ-100 application software.

The WRITE indicator lights up orange when the MLU-100A is in write stand-by status; the READ indicator lights up green when it is in read stand-by status.

2 Position the videocassette (with memory label already attached) over the MLU-100A.

When writing, reading or rewriting is completed, the GOOD indicator lights up green and one short beep is emitted.
When an error has occurred during writing, reading or rewriting operation, the ERROR indicator lights up red and three short beeps are emitted.

Specifications

General

Transmission rate	105.9 kbps
Transmission frequency	13.56 MHz
Transmission range	0-20 mm
Power supply	9 V DC ±10%
Mass	300 g
Current	400 mA
Operating temperature	5°C-40°C (40°F-105°F)
Dimensions	94 × 44 × 124 mm ($3^4/_3 \times 1^4/_3 \times 5$ inches) (w/h/d) excluding projecting parts

Supplied accessories

Operation manual (1)
Maintenance manual (1)

Optional accessories

AC-E90HG AC Adaptor

Design and specifications are subject to change without notice.

Tele-File is a trademark of Sony Corporation.

このマニュアルに記載されている事柄の著作権は当社にあり、説明内容は機器購入者の使用を目的としています。
従って、当社の許可なしに無断で複写したり、説明内容（操作、保守等）と異なる目的で本マニュアルを使用することを禁止します。

The material contained in this manual consists of information that is the property of Sony Corporation and is intended solely for use by the purchasers of the equipment described in this manual.
Sony Corporation expressly prohibits the duplication of any portion of this manual or the use thereof for any purpose other than the operation or maintenance of the equipment described in this manual without the express written permission of Sony Corporation.

Le matériel contenu dans ce manuel consiste en informations qui sont la propriété de Sony Corporation et sont destinées exclusivement à l'usage des acquéreurs de l'équipement décrit dans ce manuel.
Sony Corporation interdit formellement la copie de quelque partie que ce soit de ce manuel ou son emploi pour tout autre but que des opérations ou entretiens de l'équipement à moins d'une permission écrite de Sony Corporation.

Das in dieser Anleitung enthaltene Material besteht aus Informationen, die Eigentum der Sony Corporation sind, und ausschließlich zum Gebrauch durch den Käufer der in dieser Anleitung beschriebenen Ausrüstung bestimmt sind.
Die Sony Corporation untersagt ausdrücklich die Vervielfältigung jeglicher Teile dieser Anleitung oder den Gebrauch derselben für irgendeinen anderen Zweck als die Bedienung oder Wartung der in dieser Anleitung beschriebenen Ausrüstung ohne ausdrückliche schriftliche Erlaubnis der Sony Corporation.

MLU-100A (UCJ, 和, 英)
3-204-442-**01** (1)

Sony Corporation
Communication System Solutions Network Company

Printed in Japan
2000.05.13
©2000