

**MU368010A**  
**TDMA Modulation Unit**  
**Operation Manual**

**Fourth Edition**

- Read this manual before using the equipment.
- To ensure that the equipment is used safely, read the "For Safety" in the MG3681A Digital Modulation Signal Generator Operation Manual first.
- Keep this manual with the equipment.

**ANRITSU CORPORATION**

MU368010A  
TDMA Modulation Unit  
Operation Manual

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## Equipment Certificate

Anritsu Corporation certifies that this equipment was tested before shipment using calibrated measuring instruments with direct traceability to public testing organizations recognized by national research laboratories including the National Institute of Advanced Industrial Science and Technology, and the Communications Research Laboratory, and was found to meet the published specifications.

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Anritsu Corporation will repair this equipment free-of-charge if a malfunction occurs within 1 year after shipment due to a manufacturing fault, provided that this warranty is rendered void under any or all of the following conditions.

- The fault is outside the scope of the warranty conditions described in the operation manual.
- The fault is due to mishandling, misuse, or unauthorized modification or repair of the equipment by the customer.
- The fault is due to severe usage clearly exceeding normal usage.
- The fault is due to improper or insufficient maintenance by the customer.
- The fault is due to natural disaster including fire, flooding, earthquake, etc.
- The fault is due to use of non-specified peripheral equipment, peripheral parts, consumables, etc.
- The fault is due to use of a non-specified power supply or in a non-specified installation location.

In addition, this warranty is valid only for the original equipment purchaser. It is not transferable if the equipment is resold.

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## Anritsu Corporation Contact

If this equipment develops a fault, contact Anritsu Service and Sales offices at the address at the end of paper-edition manual or the separate file of CD-edition manual.

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This product and its manuals may require an Export License/Approval by the Government of the product's country of origin for re-export from your country.

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When you dispose of export-controlled items, the products/manuals are needed to be broken/shredded so as not to be unlawfully used for military purpose.

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## CE marking



### 1. Product Model

Accessories: MU368010A TDMA Modulation Unit

### 2. Applied Directive and Standards

When the MU368010A is installed in the MG3681A, the applied standard conforms to the standards of MG3681A.

PS: About main frame

The kind of main frame (a measuring apparatus) will be to increase.  
Please, contact us about the newest information of the main frame.

## C-tick Conformity marking

Anritsu affixes the C-tick marking on the following product (s) in accordance with the regulation to indicate that they conform with the EMC framework of Australia/New Zealand.

### C-tick marking



#### 1. Product Model

Accessories: MU368010A TDMA Modulation Unit

#### 2. Applied Directive and Standards

When the MU368010A is installed in the MG3681A, the applied standard conforms to the standards of MG3681A.

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Please, contact us about the newest information of the main frame.

## **About This Manual**

This operation manual describes the overview of the MU368010A TDMA Modulation Unit.

MU368010A TDMA Modulation unit is used installing each software, and it is installed in MG3681A Digital Modulation Signal Generator.

Refer to operation manuals of each software for the functions and details of the equipment equipped with the software.

The operation manual for the MG3681A Digital Modulation Signal Generator is available as a separate volume. Refer to it together with this manual.

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# Section 1 General

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This section provides a general introduction to the MU368010A TDMA Modulation Unit and configuration of its standard accessories.

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## 1.1 Overview of MU368010A

The MU368010A is a TDMA modulation unit to be mounted on the MG3681A Digital Signal Generator (hereinafter referred to as MG3681).

When mounted on the MG3681A, the MU368010A generates the modulation signals that are compatible with the communications system of TDMA modulation method such as PDC, GSM. No other external Baseband signal sources are required.

## 1.2 Product Configuration

The standard configuration of the MU368010A is shown in the table below.

After unpacking, check to see that all the components are contained in your package. If your package is incomplete or contains damaged components, please contact us or our sales representative.

Item	Model/ Ordering No.	Product name	Qty.	Remarks
Main Unit	MU368010A	TDMA Modulation Unit	1	Compatible system: PDC, GSM, etc.
Accessory	W1835AE	Operation Manual	1	

**Section 1 General**

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## Section 2 Storage and Transportation

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This section describes the maintenance, storage and transportation of the MU368010A.

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## 2.1 Notes on Storage for an Extended Period

Avoid storing it at the following places.

- Dusty place
- A place with direct sunlight
- Highly humid place where condensation occurs.
- Place possibly exposed to active gas
- Place where the equipment can be oxidized.
- Places at following temperatures and humidity.

Temperature :  $>60^{\circ}\text{C}$ ,  $<-20^{\circ}\text{C}$

Humidity :  $\geq 90\%$

### Recommended storage conditions

Store the MU368010A for an extended period at a place that satisfies the above and following environmental conditions.

- Temperature: 0 to  $50^{\circ}\text{C}$
- Humidity: 40 to 80%
- Little temperature and humidity fluctuations during the day

## 2.2 Repacking and Transportation

Notes for transporting the MU368010A are described below.

### Repacking

Use the packing material used in the package when purchased. If it is no longer available, follow the steps below to pack it.

- [1] Pack MU368010A in vinyl.
- [2] Prepare a corrugated cardboard box, a wooden box or an aluminum box with sufficient space for inserting buffers on all sides of MU368010A.
- [3] Insert buffers on all sides of MU368010A for absorbing transportation shocks and for fixing it.
- [4] Secure the outside of the box with adhesive tape, bands and so on.

### Transportation

Avoid vibration as far as possible and transport the equipment by following the recommended storage conditions.

## Section 2 Storage and Transportation

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## Appendix A Specifications

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Item	Specifications
Software to be used	MX368011A: PDC Software, MX368012A: GSM Software Refer to MX368011A PDC Software and MX368012A GSM Software Operation Manual for specifications when this software is installed.
Number of slot to be used	One slot
Firmware Backup Area	TDMA: 2 Mbyte, FPGA: 0.5 Mbyte
mass	400 g

