

Micro Talk Systems Corp.



J Chip System TAG Checker Operation Manual

Model No. MTMX-C01

Thank you very much for your purchasing Tag Checker of J Chip System.

■ Please read this Operation Manual and Warranty Certificate carefully before using.

Especially please read <Remarks for safety> very carefully without fail before using.

■ Please also confirm <Date of purchasing and name of distributor> and then obtain the Certificate from the distributor.

■ Serial No. is important from standpoint of safety.

Please ensure Serial No. of the products together with the product itself when you purchase the equipment.

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Please keep the following remarks for safety without fail

To prevent the users and others from injury, damage and loss, we explain the following remarks to be obeyed without fail







- We classify the following indications and explain the level of damage and loss to be occurred due to misuse based on ignorance of indications:

 WARNING	This indicates the possibility of producing serious damage if you ignore this indication and misuse the equipment.	 REMARKS	This indicate the possibility of producing serious damage or loss if you ignore this indication and misuse the equipment.
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- We classify the following picture indications to be obeyed for explanation:(The following picture indications are examples.)

	This picture indication shows <Remark> to which we like you to pay your special attention.
	This picture indication shows <Prohibition> which we like you to prohibit.
	This picture indication shows <Instruction> which we like you to perform without fail.

WARNING

<ul style="list-style-type: none"> ■ Please pull off the plug from power source without fail when you attach, detach and deliver the accessories of the product. <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Electric shock and trouble will occur when you do so while keeping connecting the plug of main equipment to power source.</p> <p>Pull off the plug from power source.</p> </div> </div> <ul style="list-style-type: none"> ■ Please pull off the plug immediately when it smokes and smells or sounds something strange. <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Pull off the plug from power source.</p> </div> </div> <ul style="list-style-type: none"> ■ Please not pull off the electric plug and connect cables by wet hand(s). <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>It might cause an electric shock.</p> <p>No wet hand(s).</p> </div> </div>	<ul style="list-style-type: none"> ■ Please not wet. <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>It might cause a fire or/and an electric shock in case that you wet the equipment.</p> <p>No wet</p> </div> </div> <ul style="list-style-type: none"> ■ Please not dismantle or/and alter the equipment. <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>It might cause fires, electrification and trouble.</p> <p>No dismantling.</p> </div> </div> <ul style="list-style-type: none"> ■ Please not drop the equipment from high position. <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>It might cause a trouble. This is a precision equipment.</p> </div> </div>
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Please keep the following remarks for safety without fail

REMARKS



Attached power cables might be cut under some operating conditions. Please purchase the equivalent cable for utilization in case that it is cut. Please consult this matter with distributor.



Power source of this equipment is DC12V. Please never use other power source than the appointed power source without fail.-@It might cause a trouble and or fires in case of misuse.



Please not put the side of the equipment down, and not install the equipment on inclined place down too.

■When you install the equipment,

- Please install the equipment and use it on horizontal place.
- Please install the equipment for utilization where it is covered from rain and water.
- Please not install the equipment where it is vibrated or shocked.
Inner parts of the equipment will be damaged due to the vibration and shock.
It might cause a trouble. Please install the equipment where is neither vibrated nor shocked.
- Please install the equipment on the place which is durable for the weight of the equipment.
- Please avoid direct rays of the sun and install the equipment at enough interval from heating equipments.
They might cause trouble for precision equipment.

■When you use the equipment,

- Please charge the following Tag(s) by Charger for not less than 10 hours:
 - i)In case that "CHARGE" is indicated on PC connected to Tag Checker.
 - ii)In case that Tag(s) were used so frequently within a short period even though "OK" is indicated as battery position on the Tag(s) at PC connected to Tag Checker.
(For example, Tag(s) passed about 200 times on triggered antenna in ordinary season or about 100 times on triggered antenna in winter season.)

■When you maintain the equipment,

- Please pull off the plug from power source without fail.
- Please wipe the Tag Checker by soft and dry cloth.
In case that it is heavy dirtied, please dip the cloth into thinned detergent for kitchen and wring it well then swipe it carefully. In case that you use chemical duster, please keep the remarks of the product.

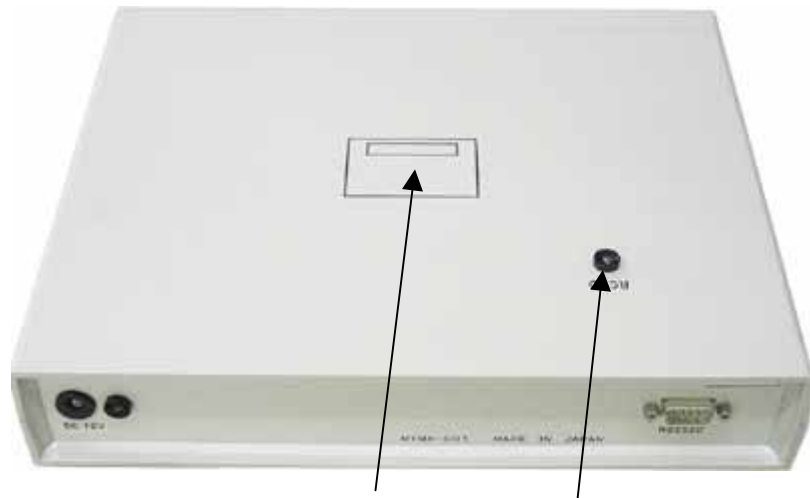
To ensure accessories

Please ensure that the following accessories are included



Accessory	Quantity
Electric Power Source Adapter DC12V specifications + Electric Power Source Adapter connection cable	1 set

Name of each part of Tag Checker



DC Input part: To input DC+12V power by AC Adapter.

* For use with GOFORD ENTERPRISE CORP., Model STD-1205.

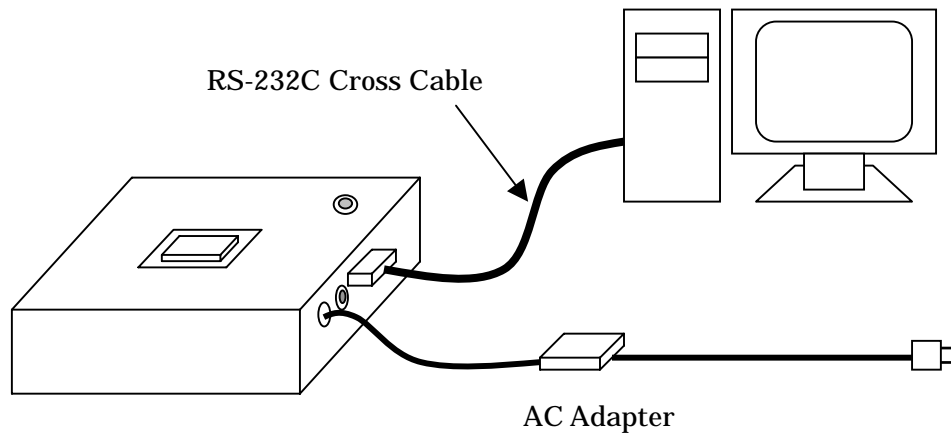
LED: It turns on the light when electric power is input.

Data output connector: Detected Tag information is output. (Male D-SUB 9 pin)

Tag detection area: Please make the direction of Tag as per above picture and put the Tag in the black frame as marked.

LED: It turns on the light when it receives Tag data correctly.

Example of connection between Tag Checker and PC.



Example of connection

It is possible for PC to receive Data by Hiper-text, standard attached software of MS Windows.

Communication conditions:

Speed: 9600bps

Length of Data: 8bit

Parity: Nil

Stop bit: 1bit

Data Format:

Code of character: Askey

_____ SP _____ CR LF _____

Tag Number (6 Digits, 16th Notation Indication)

Space

Battery Information (3 Degrees Indication: CHARGE, OK, FULL)

FULL-----"Fully charged" conditions

OK-----"Possible for measuring" condition

CHARGE----"Impossible for measuring" condition (Charging should be required.)

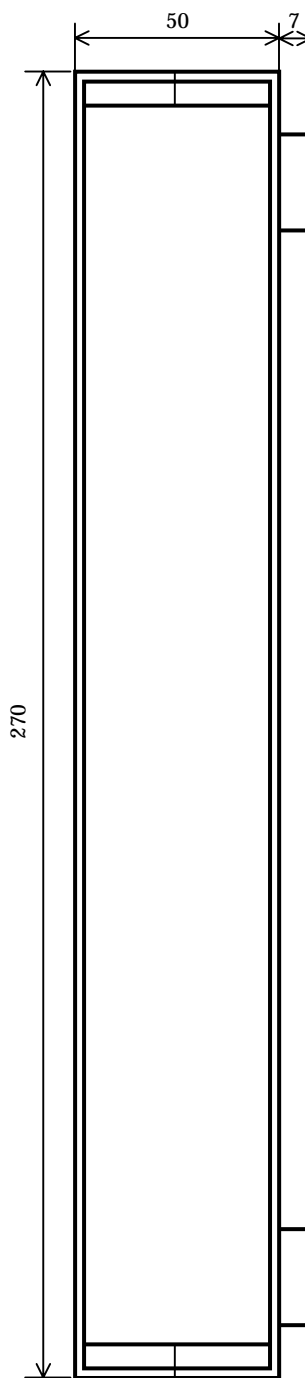
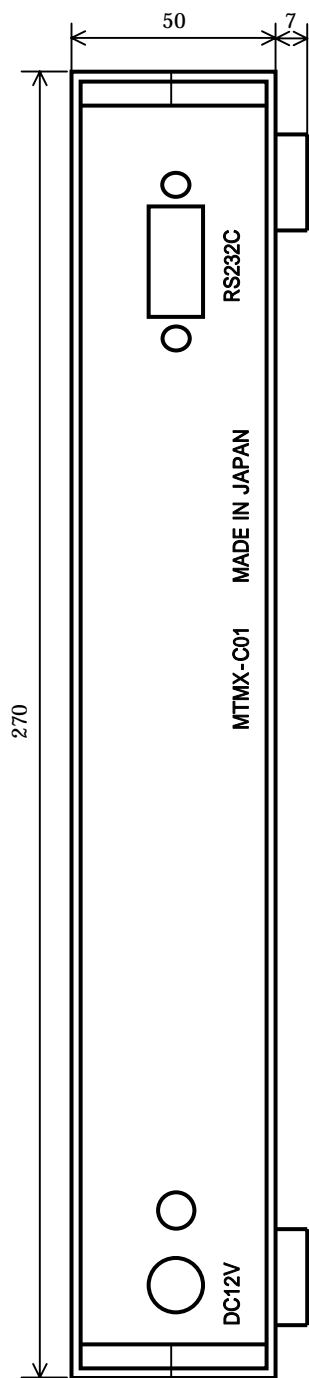
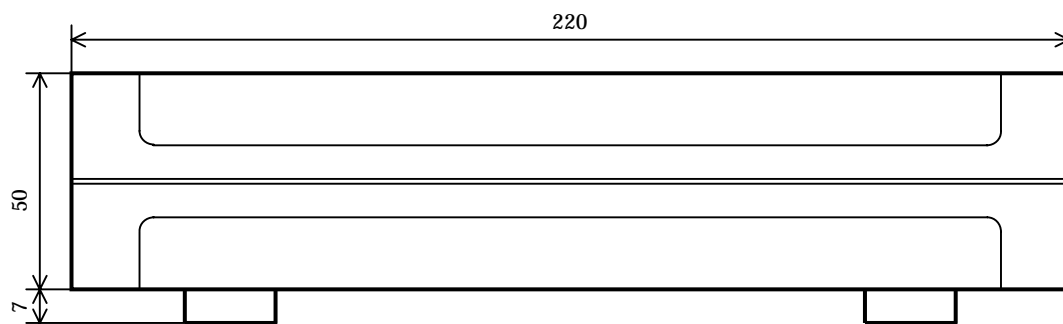
Carriage Return: (Hex: ODD)

Line Feed: (Hex: OA)

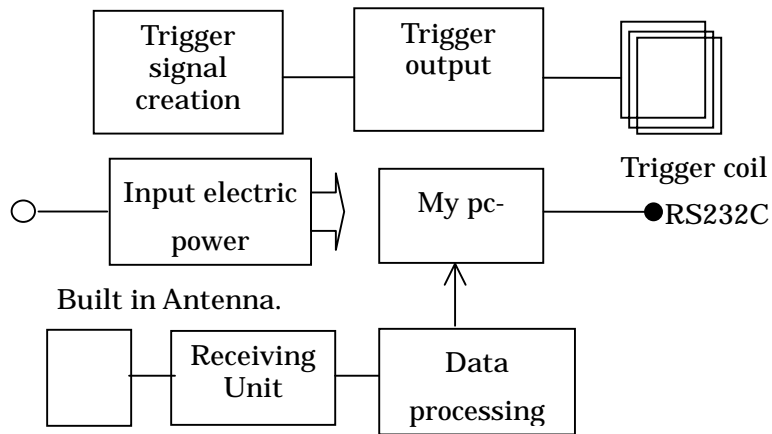
Main specifications

Trigger Transmitting Frequency	93.75kHz
Trigger Output Strength	Not more than 0.2W
Receiving Frequency	304.2MHz, 309.9MHz, 314.26MHz
Receiving Method	Single Super Heterodine Method
Receiving Sensitivity	Not more than 60dB μ V(-47dBm)
Number of receiving channel	1 channel
Temperature for operation	10 degree C---40 degree C
Humidity for operation	0%---80% (without dewdrop)
Electric power source	DC12V(\pm 1V)
Max. consumption current	600mA
Weight	About 1.4kgs
Outer dimension	W270mm \times D220mm \times H60mm (with projection)
Output Interface	RS-232C/9 pin D-SUB connector (Female)

Out side view



Tag Checker structure



Warranty and After-sales service

Warranty and Aftersales service

Warranty Certificate (attached separately):

Warranty Certificate is attached to this product separately. Please obtain the certificate after your ensuring the details including date of purchase and name of distributor, then store it carefully.

Warranty period:

We warrant this product against defective material and/or faulty workmanship for 1 year from the original date of purchase from an authorized distributor.

To change of some consumed parts and to repair the damages coming from improper handling and misuse by dropping and dipping it into water will be made at certain cost even during warranty period. Please refer to the details on Warranty Certificate.

Min. period for keeping stocking of spare parts for repair:

We will keep stocking spare parts for repair of J chip system for 5 years after discontinuing production of the product. Spare parts for repair are necessary spare parts for the product to keep function.

About Serial Number:

Serial number is put on each equipment of the system, while another serial number is printed in Warranty Certificate for system management. You can receive after -sales service for your purchased equipment and system (basic system) based on the attached Warranty Certificate.

In the event that you like to consult repair matter or/and that you don't understand clearly:

Please contact your distributor from whom you purchased the equipment in the event that you like to consult repair matter or/and not clear points.

When you ask the distributor to repair the equipment:

When you think that it is something wrong, please read Operation Manual carefully to check with present operating condition. In the unlikely event that a mal function is found during warranty period, please stop using the equipment and contact the distributor from whom you purchased the equipment.

J chip system (Receiver, Tag, Tag Charger and Tag Checker) fully complies with CE/TUV and FCC rules and regulations.



This equipment has been tested and found to comply with the limits for a Class A 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 cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate 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.

This equipment has been tested to comply with the limits for a Class A digital device, pursuant to Subpart B of Part 15 of FCC Rules. Only peripherals (computer input/output devices, terminals, printers, etc.) certified (DoC) or verified to comply with the Class A or B limits may be attached to this equipment. Operation with non-certified (DoC) or non-verified personal computer and/or peripherals is likely to result in interference to radio and TV reception. The connection of a unshielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

EU Declaration of Conformity

Date:

TYPE OF APPLICATION : EU Declaration of conformity

APPLICABLE RULES : 89/336/EEC, 73/23/EC

TEST PROCEDURE : EN55022, EN61000-3-2, EN61000-6-1,
EN60950

PRODUCT CATEGORY : ITE

TYPE OF PRODUCT : TAG Checker

MODEL NUMBER : MTMX-C 01

TRADE NAMES : Micro Talk

APPLICANT : Micro Talk Systems Corp.
8F Shimizu Bldg., 1-5, Kanda Iwamoto-cho,
Chiyoda-ku, Tokyo 101-0033 Japan

TESTED FACILITY : Anritsu Customer Services Co., Ltd. EMC Center
TUV Rheinland Japan Ltd.

TESTED REPORT NUMBER : A-PCE00U11-04058-00

I HEREBY STATE THAT : The measurements shown in this application were made in accordance with the procedures indicated and the energy emitted, electromagnetic interference and product safety by this equipment was complied the EU Directive. I assume full responsibility for the accuracy and completeness of these measurements test and vouch for the qualifications of all persons taking them.

I FURTHER STATE THAT : On the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the EU Directive.

APPROVE BY:
