

# Service Manual

RC3001 /E1B

Remote Controller



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Please use this service manual with referring to the user guide ( D.F.U. ) without fail.  
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

# marantz®

## RC3001

Part no. 90M43CW855010  
First Issue 2007.10  
MZ

RC3001

## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

### ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

#### USA

**MARANTZ AMERICA, INC**  
100 CORPORATE DRIVE  
MAHWAH, NEW JERSEY 07430  
USA

#### EUROPE / TRADING

**MARANTZ EUROPE B.V.**  
P. O. BOX 8744, BUILDING SILVERPOINT  
BEEMDSTRAAT 11, 5653 MA EINDHOVEN  
THE NETHERLANDS  
PHONE : +31 - 40 - 2507844  
FAX : +31 - 40 - 2507860

#### CANADA

**D&M CANADA INC.**  
5-505 APPLE CREEK BLVD.  
MARKHAM, ONTARIO L3R 5B1  
CANADA

#### JAPAN

**D&M Holdings Inc.**  
D&M BUILDING, 2-1 NISSHIN-CHO,  
KAWASAKI-KU, KAWASAKI-SHI,  
KANAGAWA, 210-8569 JAPAN

株式会社 ディーアンドエムホールディングス  
本社 〒210-8569  
神奈川県川崎市川崎区日進町2-1 D&Mビル



#### KOREA

**D&M SALES AND MARKETING KOREA LTD.**  
CHUNG JIN B/D., #1001,  
53-5, WONHYORO 3 GA, YONGSAN-GU,  
SEOUL, 140-719, KOREA  
PHONE : +82 - 2 - 323 - 2155  
FAX : +82 - 2 - 323 - 2154


#### CHINA

**MARANTZ SHANGHAI TRADING LTD.**  
ROOM.506 SHANGHAI LIGHT INDUSTRY MANSION  
1578 NANJING (WEST) ROAD SHANGHAI  
CHINA  
TEL : 021 - 6248 - 1064  
FAX : 021 - 6248 - 3565

### NOTE ON SAFETY :

Symbol  Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol  . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

### 安全上の注意 :

 がついている部品は、安全上重要な部品です。必ず指定されている部品番号のものを使用して下さい。

### SHOCK, FIRE HAZARD SERVICE TEST :

**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

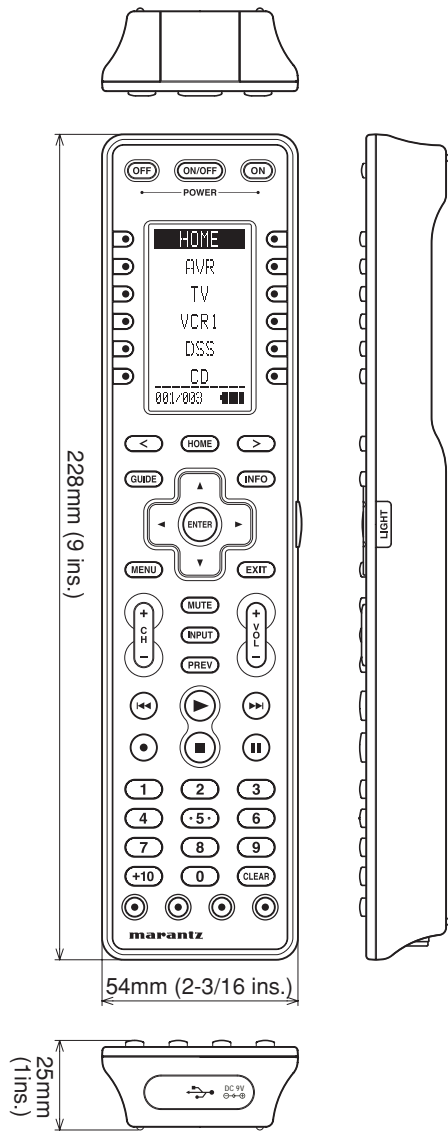
Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

# 1. TECHNICAL SPECIFICATIONS

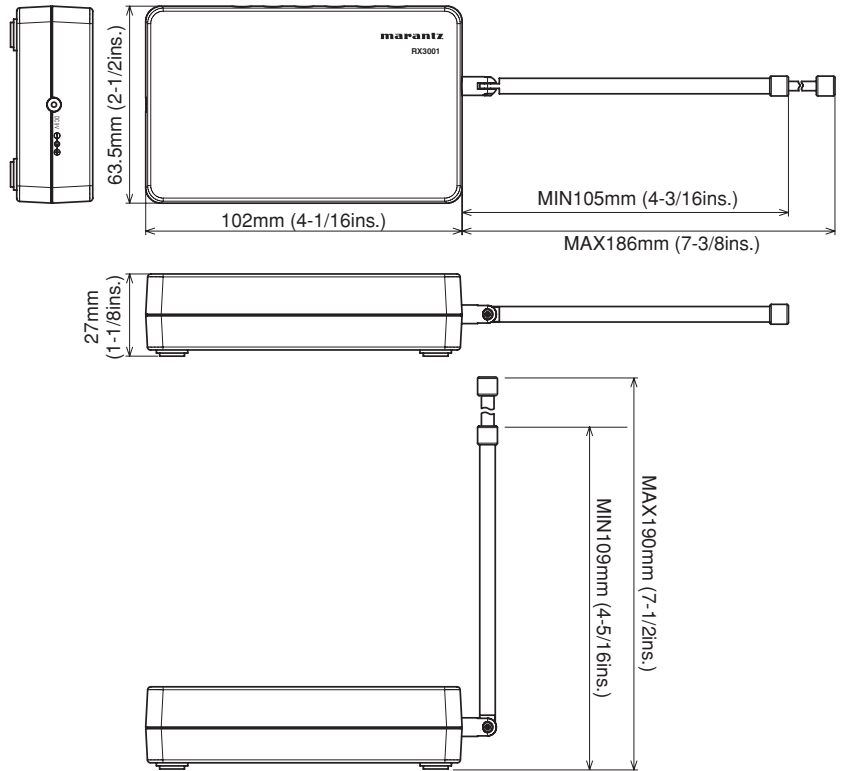
## RC3001

LCD Resolution ..... "11x81pixel x6 line  
 .....9x81pixel x1line"  
 Backlight ..... EL back light  
 Transmission ..... IR or RF  
 Learning..... Capability: MAX 1000code  
 Operating/ learning IR frequency range  
 ..... Up to 455kHz  
 RF carrier frequency ..... 433.92MHz  
 Rechargeable battery pack  
 ..... NiMH Battery Pack 700 mAh  
 Interface  
 .. USB 2.0 connection with USB bus power supply  
 Memory Size..... 4M bit (512KB)  
 Dimensions (W x H x L)  
 ..... 54 x 228 x 25 mm (2-3/16 x 9 x 1 ins.)  
 Unit Weight (With Batteries) ..... 210g (0.5lbs)



## RX3001

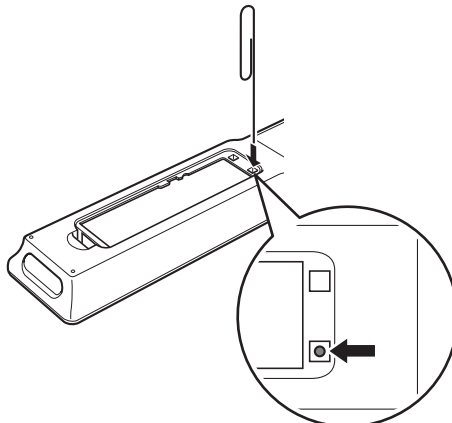
RF carrier frequency ..... 433.92MHz  
 Operating/ learning IR frequency range  
 ..... Up to 100kHz  
 IR emitter output .....x6  
 Dimensions (W x H x L)  
 ... 102 x 63.5 x 27 mm (4-1/16 x 2-1/2 x 1-1/8 ins.)  
 Unit Weight ..... 90g (0.2lbs)  
 AC Adapter  
 Power Supply..... 100 V-240 V AC / 50-60 Hz  
 Power Output.....DC9V 800mA



## RESET

If the RC3001 is not operating properly, use the procedure below to perform a reset (restart). Performing a reset does not erase the settings in the RC3001.

1. Remove the battery case cover.
2. Use a paper clip or other object to press the reset button in the reset hole as shown in the figure below to reset the RC3001.



### Note:

Perform the reset with the battery pack loaded.

## 2. PARTS LIST

①



②



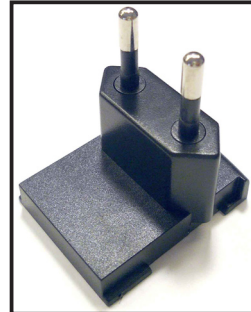
③



④



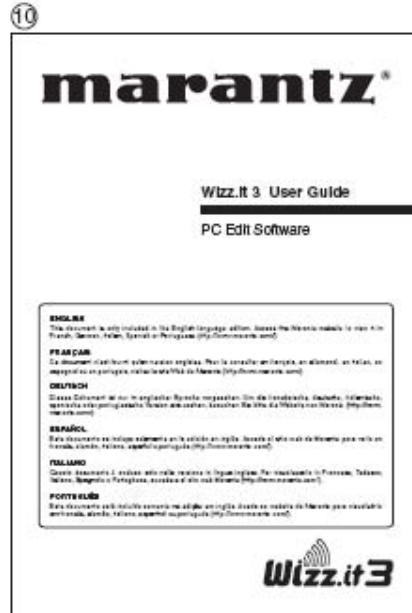
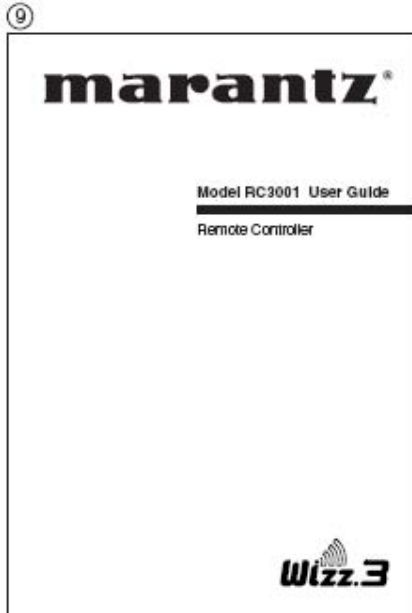
⑤



⑥



Double side adhesive tape



P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	1		90M-ZK000760R	90M-ZK000760R	UNIT KIT	REMOTE CONTROLLER RC3001 F-BW7280-TX
	2		90M-ZK000770R	90M-ZK000770R	UNIT KIT	RF RECEIVER RX3001 F-BW7280-RX
<b>PACKING</b>						
	-		-	255-165	CONN. CORD	3.5 MM MONO MALE TO MALE 10FT.
	3		90M-AA000170R	90M-AA000170R	AC ADAPTOR	AC ADAPTER 100-240V 50/60HZ F4623-7280-900
	4	nsp	90M-ZY000150R	90M-ZY000150R	CONN. ASSY	AC PLUG ADAPTER FOR USA F4629-7280-100
	5		90M-ZY000160R	90M-ZY000160R	CONN. ASSY	AC PLUG ADAPTER FOR EUROPE F4629-7280-600
	6		90M-ZD000640R	90M-ZD000640R	CONN. CORD	IR EMITTER CABLE WITH ADHESIVE TAPE F-BW2023
	7		90M-ZF000060R	90M-ZF000060R	BATTERY	BATTERY PACK Ni-MH 4.8V 0.7AH 41248849036-00
	8		00M43CW257010	00M43CW257010	LID	LID BATTERY F71-7280-03000 F71-7280-03000
	9		00M43CW851010	00M43CW851010	USER GUIDE	USER GUIDE RC3001 F820-7280-0000
	10		00M43CW851020	00M43CW851020	USER GUIDE	USER GUIDE WIZZ. IT3 RC3001/RC2001 F820-7280-0100

NOTE : 'nsp' PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

### 3. INSTALLING Wizz.it 3

## INSTALLING Wizz.it 3

1. At first, you download the software "Wizz.it 3" from the Home Entertainment section of your region in Marantz Website <http://www.marantz.com>.
2. Open the downloaded file in your PC and follow the on screen instructions to install the editor.

#### Notes:

- You can install Wizz.it 3 together with other Marantz editors.
- The files of Wizz.it 3 are automatically placed in a separate directory.

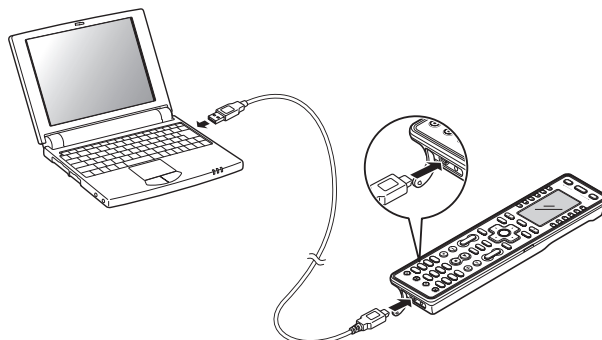
## CUSTOMIZING THE CONFIGURATION FILE

During the installation of the editor, one configuration file was also saved on your PC. There is one default configuration file which you can start from to create a custom configuration file (CF) (defaultRC3001.mcf). The default CF is constructed in such a way that they can be easily adjusted to the needs of every customer.

- This file contains the main Marantz remote control codes for enabling control of Marantz products with the default settings.

## CONNECTIONS

### CONNECT PC AND REMOTE CONTROLLER



1. The attached USB cable connects to the USB port of remote controller and the USB port of your PC
2. Open the USB Device wizard menu in your PC automatically.
3. Select the automatic scanning of USB driver or select the location of USB driver.  
The location of RC2001\_3001 USB driver  
C:\Program Files\Marantz\Marantz Wizz.it 3

#### Note:

- The USB driver of RC2001 and RC3001 does not take the certification of Microsoft.
- However, you can use it in your PC.