

EXHIBIT C

User Manual

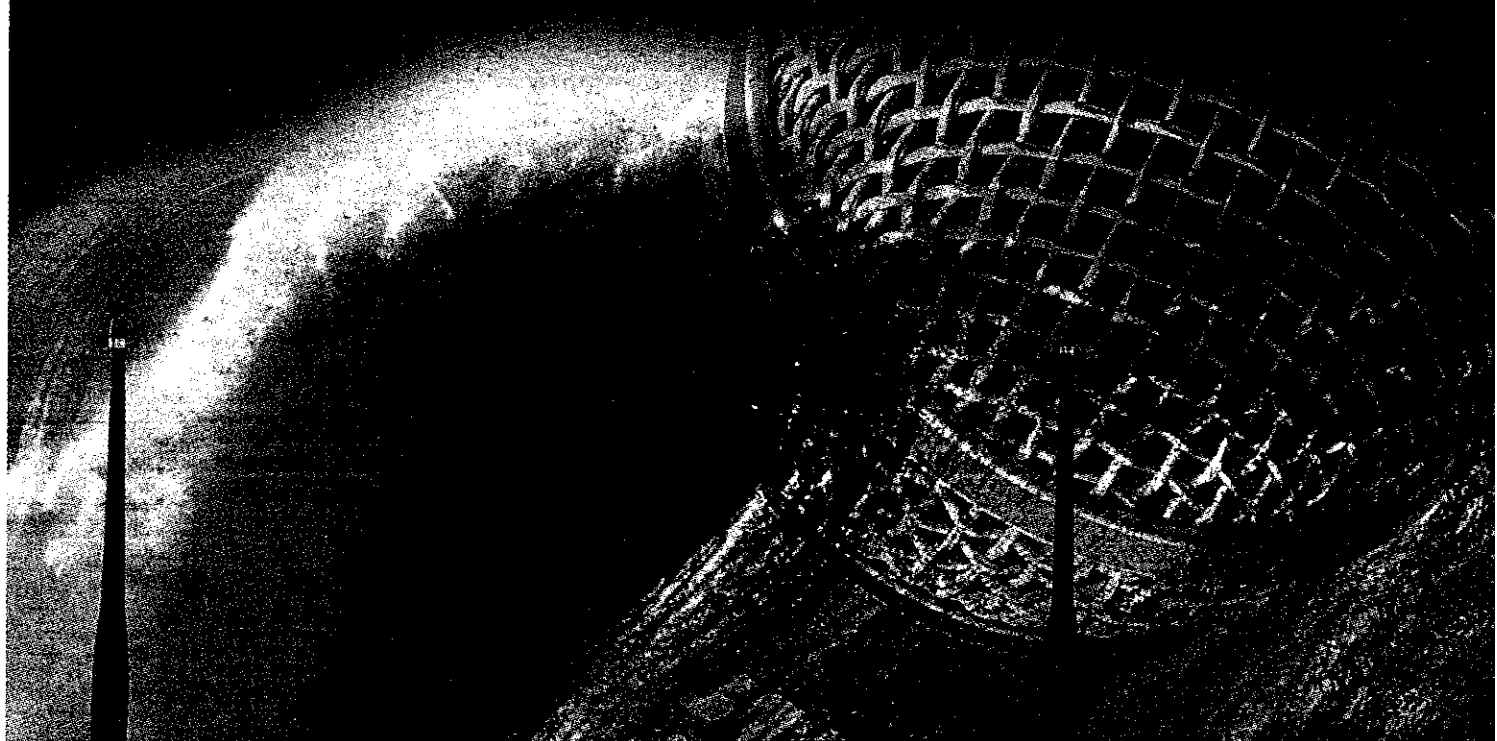
JTS[®]

VHF自動選訊接收機使用說明書

VHF TRUE DIVERSITY SYSTEM

USER'S MANUAL

JR-122D



JR-122D
TRUE DIVERSITY RECEIVER

ALPHA ELECTRONICS



ALPHA ELECTRONICS

JTS

LICENSING REQUIREMENTS

This equipment complies with Part 74 of the FCC Rules.

A license is required for operation subjective device will be issued only to the following:

- (1) A licensed of an AM, FM, TV, or international broadcast station or low power TV station. Low power auxiliary stations will be licensed for used with a specific broadcast or low power TV station or combination of stations licensed to the same licensee within the same community.
- (2) A broadcast network entity.
- (3) A cable television system operator who operates a cable system that produces program material for origination or access cablecasting as defined in §76.5(r)
- (4) Motion picture producers as defined in §74.801.
- (5) Television program producers as defined in §74.801.
- (6) Licensees an conditional licensees of stations in the Multipoint Distribution service and Multichannel Multipoint Distribution Service as defined in §21.2 of this chapter, or entities that hold an executed lease agreement with an MDS or MMDS licensee or conditional licensee or with an Instructional Television Fixed service licensee or permittee.

感謝您選購本無線接收系統，為了確保本系統能充分發揮功能，達到最佳使用效果，敬請在使用本系統前，詳閱此份說明書。

THANK YOU FOR PURCHASING THE WIRELESS SYSTEM.
IN ORDER TO OBTAIN THE BEST EFFICIENCY FROM YOUR SYSTEM, IT IS RECOMMENDED YOU READ THE MANUAL CAREFULLY.

內容索引：

系統配件及各部品名稱說明.....2
系統安裝說明.....5
使用本系統.....6

PARTS IDENTIFICATION.....2
INSTALLATION.....5
HOW TO USE THE SYSTEM.....6

特性規格：

- 載波頻率範圍：174-216 MHz
- 頻率穩定度：± 0.005%
- 動態範圍：100 dB 以上
- 靜音方式：一般靜音及音碼鎖定靜音
- 頻率響應：50 - 15,000 Hz
- 接收範圍：最遠100米（空曠場合）
- 使用電源：AC115V/230V
- 特性：雙天線，自動選訊功能

SPECIFICATION：

- RF CARRIER FREQUENCY RANGE：174-216 MHz
- FREQUENCY STABILITY：±0.005%
- AUDIO DYNAMIC RANGE：>100dB, A-weighted
- SQUELCH：NOISE SQUELCH AND TONE KEY SQUELCH
- AUDIO FREQUENCY RESPONSE：50-15,000Hz
- OPERATION RANGE：APPROX. 100M TYPICAL CONDITION
- POWER：AC 115V/230V
- JR-122D：TRUE DIVERSITY

注意事項：

- ▲裝配場所注意事項：
 - ★本接收系統應遠離火焰，電擊處，亦不可暴露於雨水及潮濕的地方。
 - ★在炎夏的季節時，請勿將本系統悶在車上，或直接暴露在太陽底下，並請遠離易熱的東西。
 - ★避免放置在傾斜或不平穩的桌面。
 - ★避免放至於廚房或油煙多的地方。
 - ★請勿放置於嬰幼兒會拉扯到的地方。
- ▲清潔保養注意事項：
 - ★日常清潔僅以乾抹布擦拭即可。
 - ★請勿以揮發性溶劑擦拭，以免損壞機殼。
 - ★請誤用沾濕的抹布擦拭，以免機殼生鏽，甚至造成內部線路短路危險。
- ▲使用安全注意事項：
 - ★請勿拉扯接收機的電源線，以免接觸不良，引起電線走火危險。
 - ★若不慎將本接收系統淋濕，請速拔掉電源插頭，並確認水氣完全揮發後，才可插電使用。

NOTICE：

- KEEP THE SYSTEM AWAY FROM FIRE, HEAT SOURCES OR HIGH HUMIDITY PLACE.
- DO NOT LEAVE THE SYSTEM IN A CLOSED CAR IN SUMMER SEASON.
- DO NOT USE GASOLINE, THINNER OR WATER TO CLEAN THE SYSTEM.

1.系統配件及各部品名稱說明：

1-1系統配件：

接收機

JH-D5 無線麥克風

JH-955 無線麥克風

PT-49B腰帶式無線麥克風發射器

NM-43/W1頸式/領夾式兩用麥克風組 (W1*1Pcs)

HM-33U頭戴式麥克風

音頻訊號線

交流電源線

使用說明書

PARTS IDENTIFICATION

PARTS :

RECEIVER

✓JH-D5 WIRELESS MICROPHONE

JH-955 WIRELESS MICROPHONE

PT-49B BODYPACK TRANSMITTER

NM-43/W1 NECKSET/TIE-CLIP MICROPHONE

HM-33U HEADSET MICROPHONE

AF OUTPUT CABLE

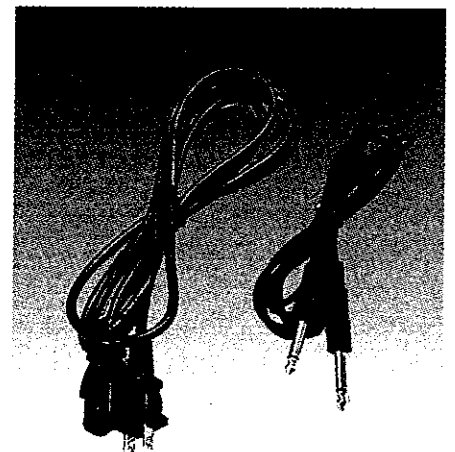
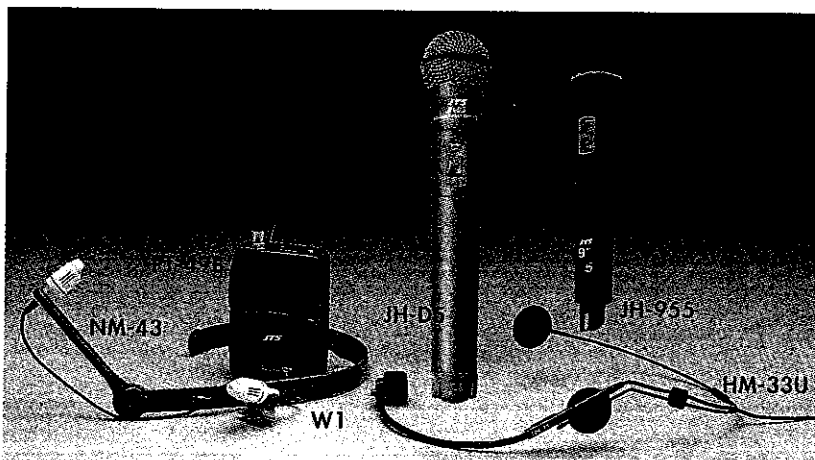
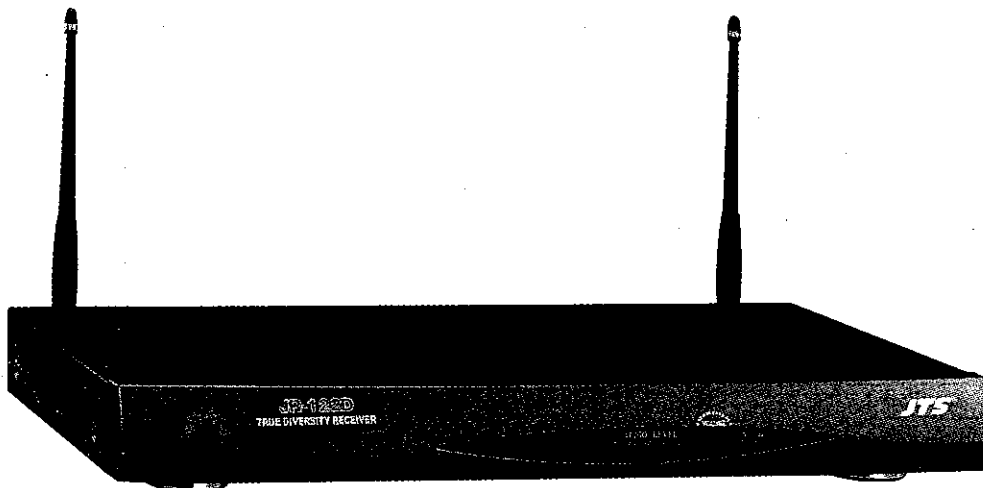
AC CORD

USER'S MANUAL

接收機 RECEIVER	無線麥克風 WIRELESS MICROPHONE				使用說明書 USER'S MANUAL	交流電源線 AC CORD	音頻訊號線 AF OUTPUT CABLE
JR-122D	JH-D5	JH-955	PT-49B NM-43 W1	PT-49B HM-33U	JR-122D	—	—
●	◎	◎	◎	◎	●	●	●

註：1.上表中的“●”符號表示該部品為本系統的標準配件
2.上表中的“◎”符號表示該部品為本系統的選項配件

PS : 1. “●” : STANDARD PARTS
2. “◎” : OPTIONAL PARTS



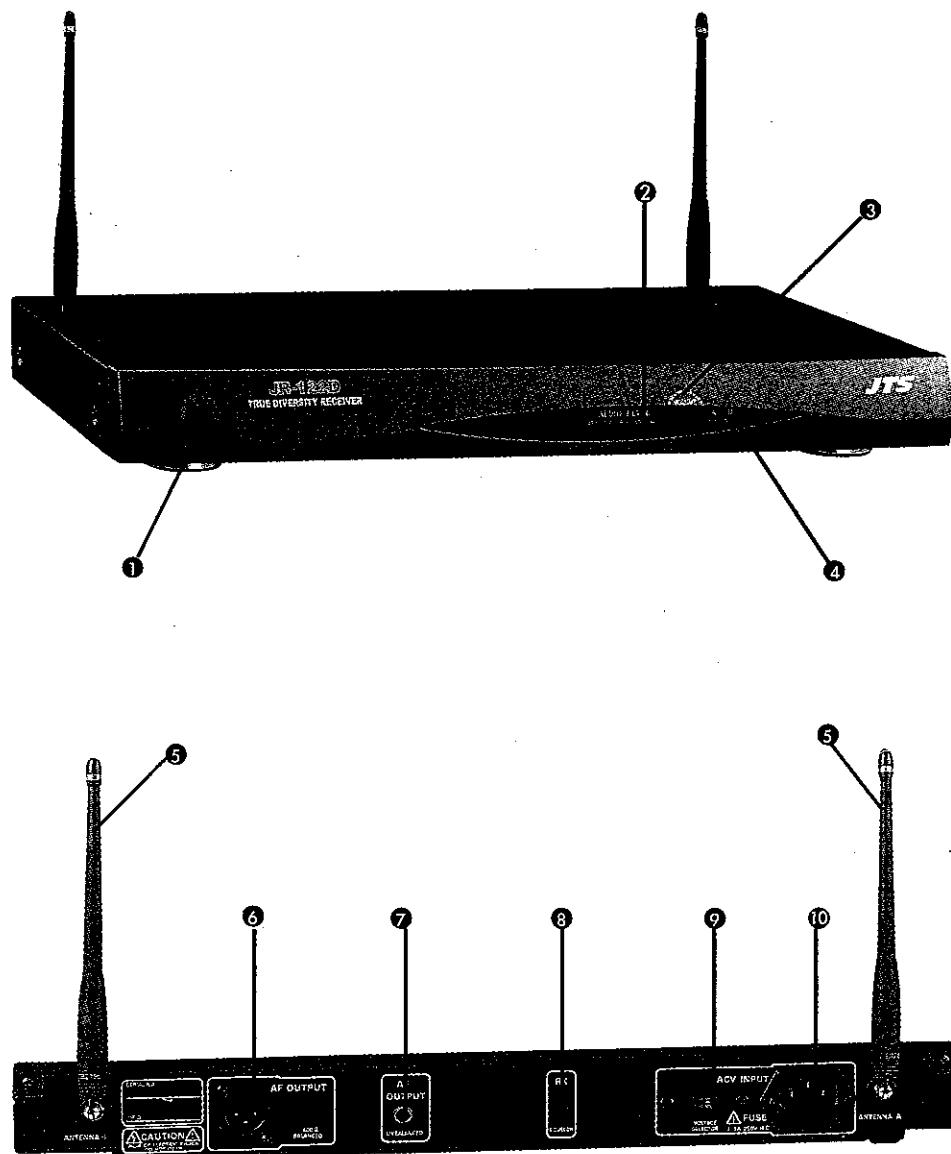
交流電源線
ACCORD

音頻訊號線
AF OUTPUT CABLE

1-2. 各部品名稱說明：ILLUSTRATION

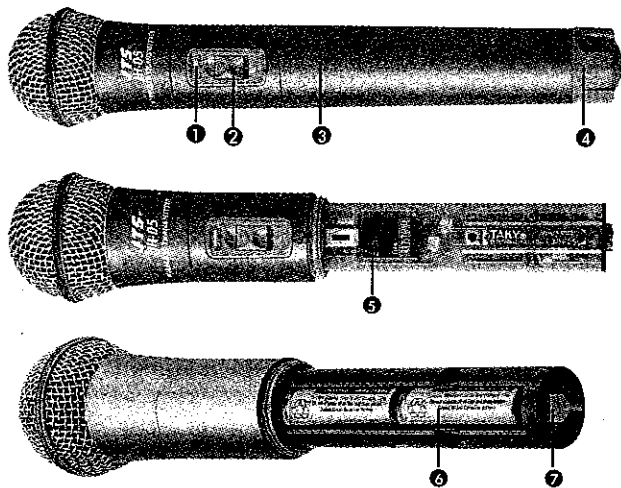
1-2-1. JR-122D

1. 電源開關及指示燈 (POWER SWITCH)
2. 音頻指示燈 (AF INDICATOR)
3. 音量調整鈕 (VOLUME)
4. 自動選訊射頻指示燈 (RF INDICATOR)
“A”, “B”
5. 接收機天線 (ANTENNA)
6. 平衡式音頻輸出插座 (BALANCED AF OUTPUT)
7. 非平衡式音頻輸出插座 (1/4 PHONE JACK OUTPUT)
8. 靜音調整 (SQUALCH LEVEL)
9. 交流電源輸入選擇開關 (VOLTAGE SELECTER)
10. 交流電源輸入插座 (AC SOCKET WITH FUSE)



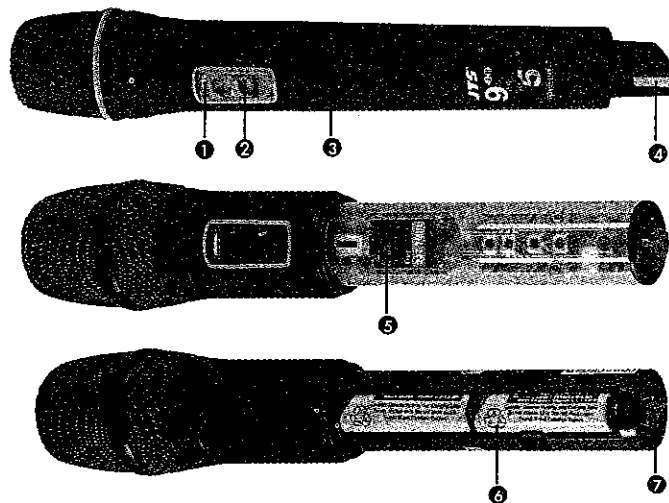
1-2-2. ✓ HAND HELD MICROPHONE
JH-D5

1. 電源指示燈 (POWER INDICATOR)
2. 電源開關 (POWER SWITCH)
3. 電池管 (BATTERY COVER)
4. 頻道識別飾片 (COLOR ID)
5. 音量大小調整孔 (AF LEVEL)
6. 電池槽 (BATTERY TRAY)
7. 調整棒 (AUDIO ADJUSTING STICKER)



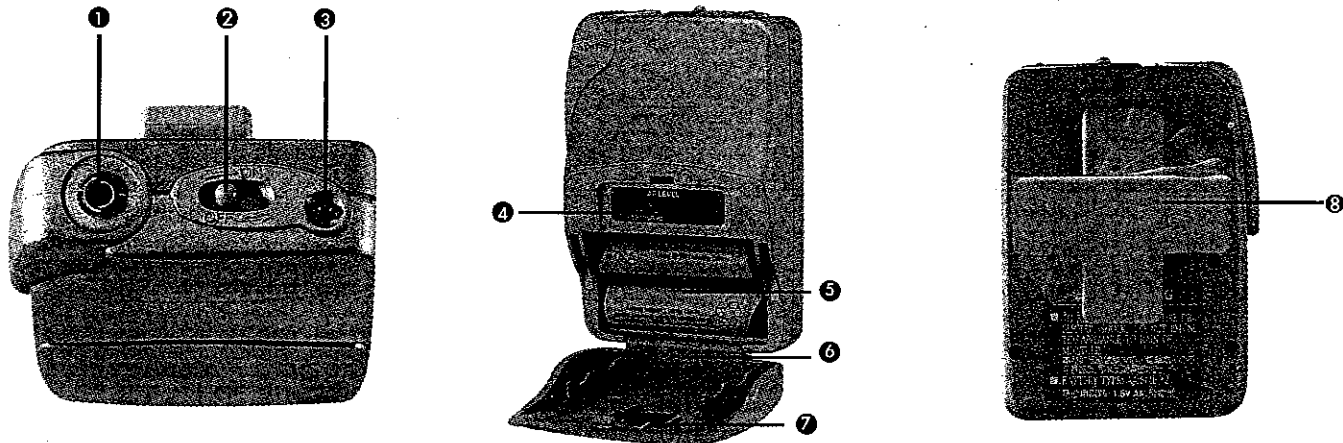
1-2-3. HAND HELD MICROPHONE
JH-955

1. 電源指示燈 (POWER INDICATOR)
2. 電源開關 (POWER SWITCH)
3. 電池管 (BATTERY COVER)
4. 頻道識別飾片 (COLOR ID)
5. 音量大小調整孔 (AF LEVEL)
6. 電池槽 (BATTERY TRAY)
7. 調整棒 (AUDIO ADJUSTING STICKER)



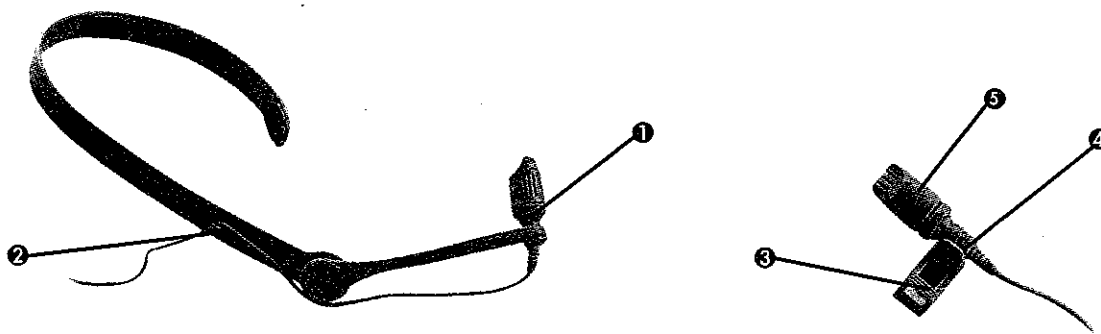
1-2-4. PT-49B

1. 麥克風輸入插座 (BODYPACK TRANSMITTER MIC INPUT)
2. 電源開關 (POWER SWITCH)
3. 電源指示燈 (POWER INDICATOR)
4. 音量調整 (AUDIO LEVEL)
5. 電池槽 (BATTERY TRAY)
6. 電池蓋 (BATTERY COVER)
7. 調整棒 (AUDIO ADJUSTING STICKER)
8. 夾片 (BELT CLIP)



1-2-5. NM-43/W1

1. 麥克風夾 (MIC HOLDER)
2. 導線固定夾 (CABLE CLIP)
3. 領帶夾 (TIE CLIP)
4. 麥克風夾 (MIC HOLDER)
5. 電容式麥克風 (CONDENSER MICROPHONE)



2. 系統安裝說明

系統安裝前，請先將放大機電源關掉。

2-1 接收機安裝說明

2-1-1 連接音頻訊號線及交流電源線

1. 將訊號線 $\Phi 6.3$ 插頭插至接收機後面的音頻輸出插座，另一端插頭插到擴大機“MIC IN”插座。
2. 將交流電源線接於接收機後側的交流電源輸入插座，並選擇正確的交流電源輸入選擇開關於 115V 或 230V，然後將插頭接於電源插座（請務必確認使用的交流電源規格和交流電源輸入開關是否相同，否則接收機可能會被燒壞而無法正常動作）。

INSTALLATION

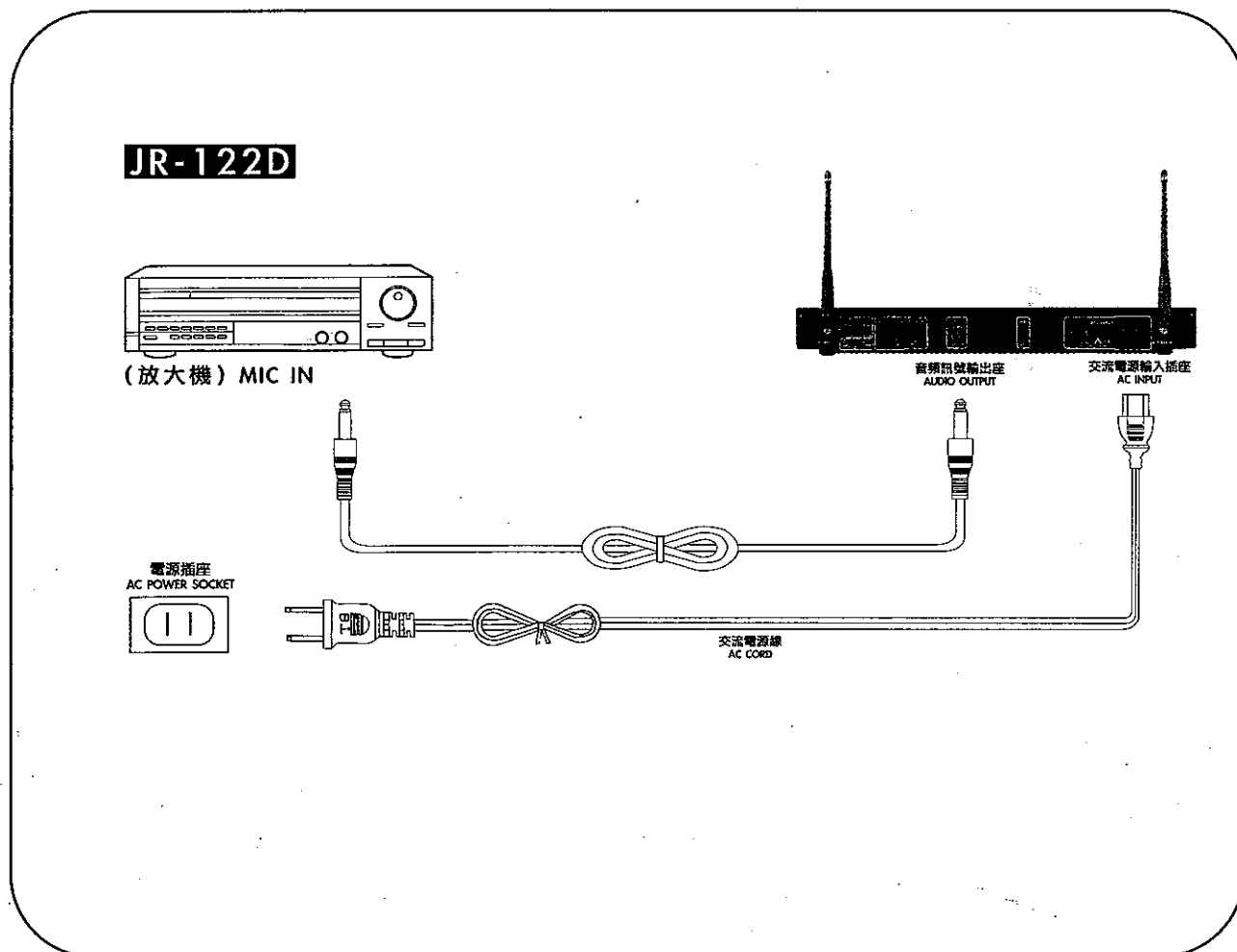
BEFORE INSTALLATION, PLEASE SWITCH OFF AN AMPLIFIER INSTALL RECEIVER.

INSTALL POWER SUPPLY AND AUDIO OUTPUT. CONNECT ONE $\Phi 6.3$ mm PULG OF AUDIO CABLE TO AUDIO OUTPUT, ANOTHER TO "MIC IN" OF AN AMPLIFIER OR MIXER.

OPTION :

USE A BALANCED CABLE TO USE THE BALANCED AUDIO OUTPUT.

SELECT THE RIGHT VOLTAGE BY SWITCHING THE VOLTAGE SELECTER. THEN INSTALL THE AC CORD.



2-2 無線麥克風安裝說明

2-2-1 JH-D5電池安裝說明

轉開JH-D5電池管，依電池槽電池極性符號指示放入兩顆“UM-3 1.5V”電池，裝入JH-D5電池管。

2-2-2 PT-49B電池安裝說明

打開PT-49B電池蓋，依電池槽電池極性符號指示放入兩顆“UM-3 1.5V”電池，蓋上PT-49B電池蓋。

2-2-3 PT-49B/NM-43/W1(HM-33U) 安裝說明

將W1(HM-33U)的麥克風插頭插入PT-49B的麥克風插座。欲使用頸掛式：W1的麥克風槽壓入NM-43的麥克風夾。欲使用領夾式時：W1的麥克風槽壓入W-68T的麥克風夾。

3. 使用本系統

3-1 使用步驟

3-1-1 使用本系統前，請先按『2. 系統安裝說明』安裝本系統。

3-1-2 關掉外接放大機電源或將放大機音量轉到最小。

3-1-3 將無線麥克風JH-D5/PT-49B的電源切到ON位置，當JH-D5電源指示燈亮紅燈時，表示電池快沒電了，應更換電池。

3-1-4 打開接收機電源開關，射頻訊號指示燈會立即點亮，表示接收情形良好。“A”“B”LED互換表示自動選訊功能正在工作。

3-1-5 將接收機的音量轉到最適當位置。

3-1-6 打開放大機電源，將音量轉至最適當位置。

3-1-7 PT-49B無線發射器附有音量調整功能，可視需要以調整棒從無線發射機直接遙控接收機音量。

3-1-8 PT-49B夾片可做90度旋轉固定，視需要可變化成直式配戴或橫式配戴。

3-1-9 使用NM-43+W1時，可適當的調整麥克風架的角度，以獲得最佳的拾音效果。

3-2 關機步驟：

3-2-1 將放大器的音量轉到最小，再關掉放大器的電源開關。

3-2-2 關掉無線麥克風及接收機的電源開關。

INSTALL WIRELESS MICROPHONE

LOSEN THE BATTERY COVER IN ANTICLOCKWISE DIRECTION, INSERT TWO PIECES OF UM-3 1.5V BATTERY INTO BATTERY TRAY OF PH-955 WITH CORRECT POLARITY.

OR OPEN THE BATTERY COVER OF PT-49B, INSERT TWO PIECES OF UM-3 1.5V BATTERY WITH CORRECT POLARITY.

HOW TO USE

OPERATION :

PLEASE INSTALL THE SYSTEM ACCORDING TO CHAPTER B 2. SWITCH OFF THE POWER AMPLIFIER OR TURN THE VOLUME TO THE LOWEST LEVEL.

TURN ON THE SWITCH OF WIRELESS MICROPHONE IF THE RED LED IS ON CONSTANTLY BATTERIES ARE LOW. SWITCH ON THE RECEIVER AND TURN VOLUME TO PROPER LEVEL. THE RF INDICATOR IS ON WHEN RF SIGNAL IS WELL RECEIVED. THE CHANGING OF RF INDICATOR FROM A TO B, OR B TO A, INDICATES THE TRUE DIVERSITY IS WORKING SWITCH ON POWER AMPLIFIER OR A MIXER AND TURN VOLUME TO PROPER LEVEL.

PT-49B AUDIO LEVEL IS ADJUSTABLE. PLEASE USE ATTACHED DRIVER TO ADJUST.

ADJUST THE BELT CLIP TO PROPER POSITION.

ADJUST MIC HOLDER OF NM-43 NECKSET MIC TO HAVE BEST MIKING EFFECT.

HOW TO SWITCH OFF :

FIRST TURN AN AMPLIFIER VOLUME DOWN OR SWITCH OFF AN AMPLIFIER. THEN SWITCH SYSTEM OFF.

注意事項：

1. 盡量遠離日光燈，馬達，喇叭及雜音源等，以免被干擾。
2. 避免在雨水下使用本系統，以免被淋濕破壞線路系統，甚至造成短路危險。
3. 無線麥克風與接收機保持一米以上，會有較良好的接收效果。
4. 無線麥克風與接收機間應盡量減少鋼筋水泥牆阻隔，如此，可獲較長的接收距離。
5. 無線麥克風應避免直對喇叭，以免產生嘯叫。
6. 當 JH-D5無線麥克風的電源指示燈亮紅色時，即表示電池快沒電了，此時，約僅能再使用一小時，應更換新電池。

不使用本系統時：

1. 長時間不使用時，請將無線麥克風的電池取出，以免電池電解液流出，損壞無線麥克風。

NOTICE：

KEEP THE SYSTEM AWAY FROM MOTOR OR ANY INTERFERENCE SOURCES.

DO NOT USE THE SYSTEM NEARBY WATER.

KEEP THE WIRELESS MICROPHONE ONE METER AWAY FROM THE RECEIVER, AND THE RECEIVER 30cm AWAY FROM WALL.

AVOID ANY OBSTACLE BETWEEN THE WIRELESS MICROPHONE AND THE RECEIVER FOR LONGER OPERATING RANGE.

DO NOT POINT THE MICROPHONE AT SPEAKERS TO AVOID FEED BACK.

REMINDING：

PLEASE REMEMBER WHEN THIS SYSTEM IS NOT IN USE FOR AN EXTENDED PERIOD TO REMOVE THE BATTERIES.

ALSO NEVER MIX OLD AND NEW BATTERIES , ALWAYS REPLACE THE WHOLE SET.

TO PRESERVE BATTERY LIFE ALWAYS ENSURE POWER SWITCH OF A TRANSMITTER IS IN THE OFF POSITION WHEN IS NOT BEING USED.

JTS®

得琦電子股份有限公司
TAKY ELECTRONICS CO., LTD
台中縣大里市大里工業區工業九路148號
NO.148,9th INDUSTRY ROAD, TA-LI INDUSTRIAL
PARK, TA-LI CITY, TAIWAN, R.O.C