

UDA-5800/UA-5800/UB-5800

Wireless Antenna System

English/繁體中文

One year product warranty
產品1年保固服務書

Product Model 產品型號		Equipment serial number 機種型號	
Customer name 客戶名稱		Contact number 連絡電話	
Address 地址			
Purchase 購買日期			
Selling store stamp 銷售店章	Be sure to put store stamp and fill in purchase date for the warranty to be effective! 請務必蓋上店章及填上購買日期，保固始生效！		

Warranty description

1. Be sure to put the warranty label indicating purchase date on the bottom of equipment to ensure your interest in maintenance and service.
2. Product warranty, starting on the purchase date indicated on "warranty label", will last for one year; if the equipment does not have "warranty label", the warranty period is 15 months from the manufacturing date. If a microphone is broken but not sent back with the equipment, the warranty period is 15 months from the manufacturing date of the microphone.
3. Within the warranty period, if the equipment is broken under normal use as instructed in manual, please contact the original selling store for repair.
4. When the product is returned for repair, to facilitate proper determination of cause of malfunction and of whether repair fee is needed, please ship back the equipment and microphone together.
5. Within the warranty period, our company provides repair service at no cost except for the following conditions that parts and repair may be charged:
 - a. Damages due to natural disaster or irresistible outside forces.
 - b. Damages due to drop, water, moisture, corrosion, foreign objects, missing components.
 - c. The warranty does not cover consumable parts. (such as microphone capsule, ball grille etc.)
 - d. Those without "warranty label" on equipment or with "warranty label" being damaged and failing to identify warranty period.
6. Please keep the warranty properly. No replacement will be made if the warranty is missing.

保固服務說明

1. 請務必將保固標籤蓋上購買日期，並張貼於主機底部以確保您維修及服務的權益。
2. 產品保固期限，係依據貼於產品上的『保固標籤』上之購買日期起算一年；若主機上未張貼『保固標籤』，則依據產品之製造日起算15個月。若麥克風故障時，但未連同主機一併寄回時，則依據麥克風上標示之製造日算起15個月。
3. 機器在保固期限內，若按使用說明書之正常使用情況下發生故障，請與原銷售本產品之商店聯絡，以進行維修工作。
4. 將商品送回維修時，為利於正確判斷故障原因，以及維修收費與否之依據，敬請連同主機、麥克風一併送回商店。
5. 保固期內，本公司提供免費維修服務，但下列情況將酌收零件成本及維修費用：
 - a. 因天災或不可抗拒之外力而造成損害者。
 - b. 摔壞、浸水、受潮、腐蝕、異物侵入、遺失零組件而損壞者。
 - c. 消耗性零件不予保證（例如麥克風音頭、鋼網等等）。
6. 主機上未張貼『保固標籤』，或『保固標籤』遭損毀致無法辨識保固期限者。
6. 本保證書請妥善保存，如有遺失，恕不另行補發。

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1. Important Caution

- Always makes all connections before plugging the unit into an AC power outlet.
- Do not leave the device in a place neither with high temperature nor high humidity.
- Always do not handle the power cord with wet hands!
- Keep the devices away from fire and heat sources.
- Caution : The suitable environment for this product is with a temperature between -10°C (14°F) and +50°C (122°F).

2. Features

UDA-5800 / UB-5800

- A wideband UHF antenna/booster with integrated bandpassfilter and low noise booster.
- Providing approximatively 7dB gain with typical beam-width of 120 degrees.
- Antenna can work in 450-1000 MHz band (bypass mode).
- Frequency band step selection: Provides a 60 MHz bandwidth with band-pass filters adjustable in 10 MHz increments, for a total of 19 selectable bands.
- Full-color LCD display
- Automatic Gain Control: Paired with UA-5800, the host automatically measures signal loss along each coaxial cable segment and sets the optimal gain for every device. (±2dB)
- It is possible to enable the internal booster (1 dB step).
- The parameters of the amplifier can be adjusted through the control interface of UA-5800.
- Lightweight, more compact design: Lighter and easier to carry than the UDA-49AP.

UA-5800

- The JTS UA-5800 is a full range UHF antenna splitter that routes antenna signals from a pair of antenna to several receivers in a multi-channel system.
- The UA-5800 also amplifies the RF signals to compensate the loss incurred from splitting signal power.
- Built-in DC distribution provides four DC 12V power supply for receivers.
- A single UA-5800 can support up to eight wireless receiver. Multiple UA-5800 can be cascaded for more wireless receivers.
- Frequency band step selection: Provides a 60 MHz bandwidth with band-pass filters adjustable in 10 MHz increments, for a total of 19 selectable bands.
- It offers six band selection options: Six-band selection: Three high and three low bands let users choose the best setting for different scenarios.
- Seamless pairing with UDA-5800 or UB-5800: It is an integrated operation within a 40 m sync-control range, ideal for large performances or complex systems.

3. Specification

3-1 UHF Directional Antenna // UDA-5800

Antenna	
Model	UDA-5800
Gain	7dBi
3-dB beam-width	horizontal plane 120° – vertical plane 90°
頻帶微調	Band Width :60MHz / Step: 10MHz Lo Band : 470-710MHz ; Hi Band : 720-960MHz (Filter Option)
Bandwidth	450~1000 MHz(Bypass Mode) 470~960MHz (Active Mode)
Control	Display menu or remote thru coaxial cable
Gain	-15 ~ +27 dB typical (1 dB step selection)
Bandwidth	470-1000 MHz
Gain flatness	+/-1 dB
Powering	+12 Vdc/55mA (Green led:0 ~ +13dB; Blue led: -13 ~ -1dB) +12 Vdc/110mA (Red led:+14 ~ +27dB) Orange led: Bypass
Operating voltage range	10~15Vdc
Dimensions	282.5mm(W)*384.5mm(H)

3-2 Antenna Booster // UB-5800

Control	Display menu or remote thru coaxial cable
Gain	-15 ~ +27 dB typical (1 dB step selection)
Bandwidth	470-960 MHz (depending on the variants)
頻帶微調	Band Width :60MHz / Step: 10MHz Lo Band : 470-710MHz ; Hi Band : 720-960MHz (Filter Option)
Gain flatness	+/-1 dB
Powering	+12 Vdc/55mA (Green led:0 ~ +13dB; Blue led: -13 ~ -1dB) +12 Vdc/110mA (Red led:+14 ~ +27dB) Orange led: Bypass
Operating voltage range	10~15Vdc
Dimensions	282.5mm(W)*384.5mm(H)

3-3 Antenna Distributor // UA-5800

Frequency Range	UHF 470~960MHz
Attenuation	-31dB ~ 0dB
Band	Band Width :60MHz / Step: 10MHz Lo Band : 470-710MHz ; Hi Band : 720-960MHz (Filter Option)
Cascade output level	0dB ~ +2dB
Output Connection Isolation	≧25 dB
Third Order Intercept Point	24 dBm
Impedance	50 Ohm
Power Consumption	74W
Input AC Voltage	100~240 VAC; 50/60 Hz: 2A
Output DC Voltage	+12V/0.5A x 8
Antenna Booster DC Voltage	12V/400mA

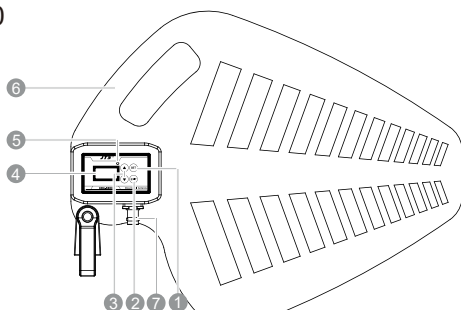
3-4 Coaxial-cable attenuation

Typical attenuation of most common coaxial cable (dB/100M)			
Cable type	100MHz	400MHz	900MHz
RG-58/U	14.5	30.8	50.2
4D-FB	9.7	17	24.8
5D-FB	7.5	13.5	20.5
RG-213/U	6.9	18.1	25.7

4. Parts Identification & Accessories

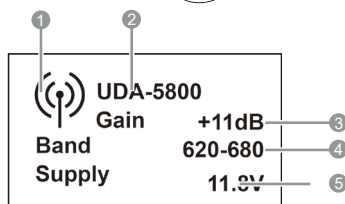
4-1 UHF Directional Antenna // UDA-5800

- ① **SET**:Function-setup button; press and hold 2s to enter Setup Mode.
- ② **EXIT**
- ③ ▲/▼
- ④ **LCD display**
- ⑤ **LED Signal Indicator**
- ⑥ **PCB for directional antenna**
- ⑦ **Signal-output connector**



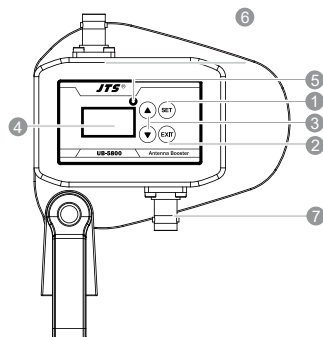
UDA-5800 LCD display content

- ① **RF Signal**
- ② **User Name**
- ③ **Gain**
- ④ **Frequency band**
- ⑤ **Power supply**: Normal operating range 10–15V



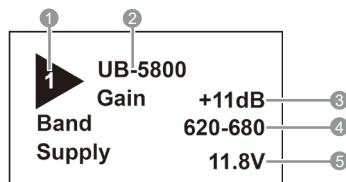
4-2 Antenna Booster // UB-5800

- ① **SET**: Function-setup button; press and hold 2s to enter Setup Mode.
- ② **EXIT**
- ③ Up/Down selection keys
- ④ **LCD display**
- ⑤ **LED Signal Indicator**
- ⑥ **Signal-input BNC connector**
- ⑦ **Signal-output BNC connector**



UB-5800 LCD display content

- ① **Device ID**
- ② **User Name**
- ③ **Gain**
- ④ **Frequency band**
- ⑤ **Power supply**: Normal operating range 10–15V

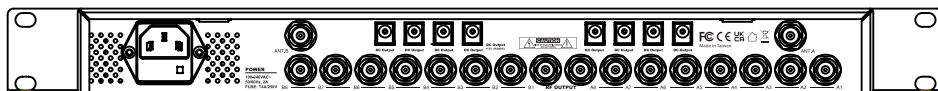


4-3 Antenna Distributor // UA-5800

Front



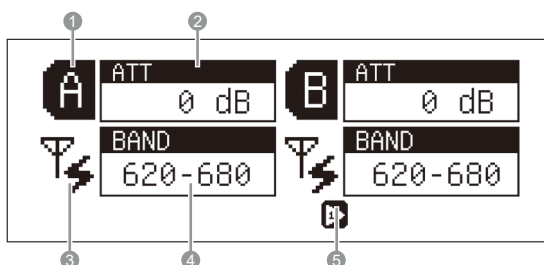
Back



- ① Power indicator
- ② Power switch
- ③ Exit key
- ④ Rotary knob
- ⑤ Setup key
- ⑥ LCD panel
- ⑦ Sync button (indicator)
- ⑧ AC power inlet C14 (with fuse)
- ⑨ Antenna-input BNC (B)
- ⑩ DC power output jack (12V/4A max)
- ⑪ Antenna-input BNC (A)
- ⑫ Signal-distribution output BNC connector (A1-A8)
- ⑬ Signal-distribution output BNC connector (B1-B8)

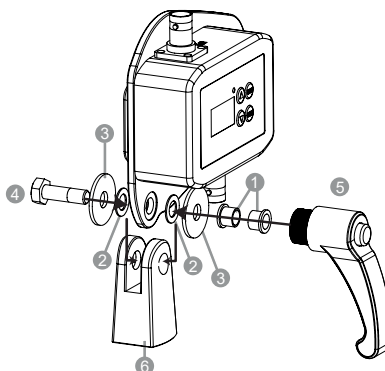
UA-5800 LCD display content

- ① Channel
- ② Attenuation
- ③ Antenna power
- ④ Frequency band
- ⑤ Linked device



4-4 Accessories // UB-5800

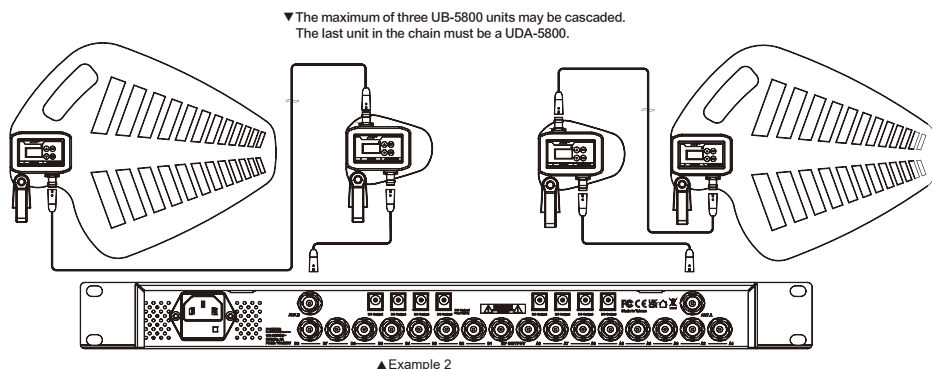
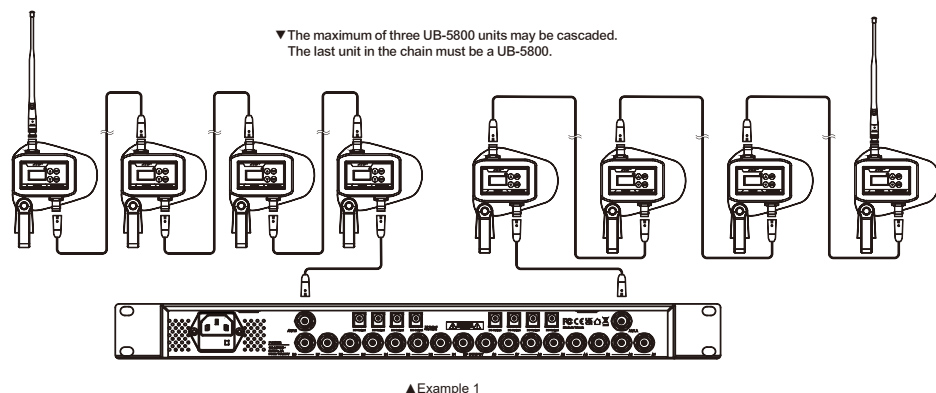
- ① Tripod Bushing
- ② Metal Washer
- ③ Rubber Washer
- ④ Screws
- ⑤ Clamping Handle
- ⑥ Tripod Mount Bracket



5. Preparing Procedures & Basic Operation

5-1 How to connect // UDA-5800 / UB-5800

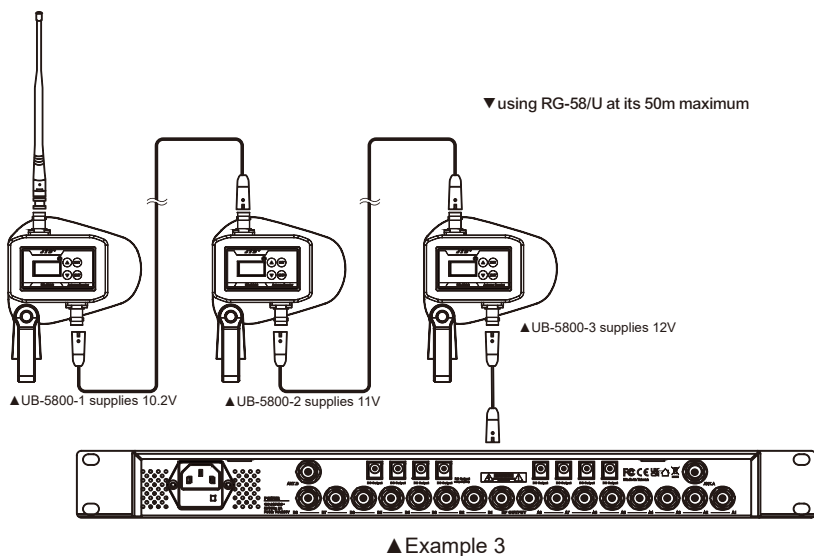
- (1) Each antenna input (A/B) on a UA-5800 can daisy-chain up to four devices
Example 1: UA-5800 + three UB-5800 units; mount the antenna on the signal-input BNC of the last UB-5800.
Example 2: UA-5800 + one UDA-5800, with one UB-5800 inserted in between.
- (2) Notes for Installation
1. After all cabling is complete, power on the UA-5800. The unit detects the number of linked devices, automatically assigns IDs, and always sets the device at the far end of the chain as Antenna 1.
2. For cable-loss data, see 3-4 Typical Coaxial-Cable Attenuation. With a UB-5800 maximum gain of 27 dB, the recommended single-run lengths are:
Sample 1: RG-58/U, 5m – 50m
Sample 2: 4D-FB, 10m – 100m



5-2 How to connect // UA-5800

- (1) Ensure all external devices are connected before turning on the UA-5800. Hot-plugging while powered is not recommended.
- (2) Each antenna input (A/B) supplies 12V/0.4A. You may chain up to four UB-5800 or UDA-5800 units per port, but the quality and length of the coaxial cable must be able to keep the voltage at every unit $\geq 10V$.

Example 3: When using RG-58/U at its 50m maximum, only three devices can typically be chained in practice.



- (3) The UA-5800 provides a 12V/4A ($\pm 5\%$) DC output for powering receivers (max. 8). Keep any single DC tap $\leq 0.75A$. Total output voltage and current are shown under System Info; the home screen warns if the ratings are exceeded.

Scenario 1: 12V/0.5A $\rightarrow$ up to 8 receivers.

Scenario 2: 12V/0.65A $\rightarrow$ up to 6 receivers.

Note: Leave each receiver's power switch ON and use the UA-5800 host to power the whole system simultaneously.

- (4) Under normal circumstances, Channels A and B should be set to the same frequency band to avoid signal dropouts during receiver selection.

6. System operation

6-1 How to use // UDA-5800/UB-5800

Parameter setting

- (1) The UDA-5800/UB-5800 can be connected to a UA-5800 with a coaxial cable for synchronous control, or you can set parameters manually on the device itself.
- (2) Press and hold "SET" button for 2 s to enter the main menu. Use ▲/▼ buttons to choose an item. After changing any setting, press "SET" button again to save.
- (3) Status LED Colors
Red: Active mode, gain: +14 ~ +27dB
Green: Active mode, gain 0 ~ +13dB
Blue: Active mode, gain -13 ~ -1dB
Yellow: Passive mode (Full-Band Bypass mode)

1.Mode
2.Band
3.Frequency
4.Gain
5.Username
6.Options
7.KeyLock
8.Exit

1. Mode

Active	Select with ▲/▼
Passive	Select with ▲/▼

Mode

ActivePassive

2. Band

Full	470-570
Narrow	

Band

FullNarrow

3. Frequency (Narrow mode)

Lo Band	(470-530) ~ (650-710) (Step: 10MHz)
Hi Band	(720-780) ~ (900-960) (Step: 10MHz)

Frequency

620-680

4. Gain

Gain	-13 ~ +27dB (adjustable in 1 dB step)
------	---------------------------------------

Gain

+2 dB

5. User Name

Entry of User Name: Press ▲/▼ buttons to select letters, numbers, or symbols; press SET button to confirm each character and move to the next.

Edit User Name

UB-58001/8
Q R S TUVWX

6. Options

(1) Brightness

Brightness	1-8 (default5)
------------	----------------

Brightness

5

(2) Light Time

15s ~ Keep on	Select with ▲/▼
---------------	-----------------

Back Light Time
5 min

(3) Screen Color

Dark	Select with ▲/▼
Light	Select with ▲/▼
Color	Select with ▲/▼

Screen Color		
Dark	Light	Color

(4) Language

English	Select with ▲/▼
中文	Select with ▲/▼

Language
English
中文

(5) Factory Reset

(6) Return

7. KeyLock

Enable	Select with ▲/▼
Disable	Select with ▲/▼

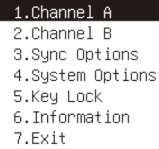
Key Lock
Lock
Unlock

8. EXIT

6-2 How to use // UA-5800

Parameter setting

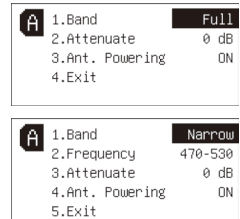
- (1) At power-on, the UA-5800 polls all connected UB-5800/UDA-5800 units, automatically assigns IDs, and shows acquisition status via the SYNC LEDs.
- (2) Press “SET” button for 2 s to open the main menu. Turn the rotary knob to highlight a parameter. Press “SET” button or push the knob to edit; press “SET” button again to save. Press “EXIT” button to leave the menu.
- (3) Follow the on-screen parameter menus for host settings and, after detection, for individual device settings (see Section 6-2 for details).
- (4) The UA-5800 offers two built-in synchronization modes; refer to “6-3 Sync Settings” in the operation menu for configuration instructions.



```
1.Channel A
2.Channel B
3.Sync Options
4.System Options
5.Key Lock
6.Information
7.Exit
```

1.Channel A/B

Band	Full/Narrow
Frequency	470-960
Attenuate	-31~0 dB
Ant.Powering	ON/OFF
Return	Returns to the previous screen.



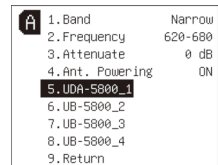
```
1.Band
2.Attenuate
3.Ant. Powering
4.Exit
```

```
1.Band
2.Frequency
3.Attenuate
4.Ant. Powering
5.Exit
```

*NOTE:Under normal operating conditions, Channels A and B should be set to the same frequency band.

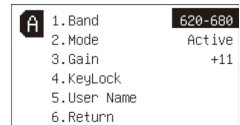
2.Channel A/B (after devices are linked)

Band	470-960
Attenuate	-31~0 dB
Ant.Powering	ON/OFF
UDA-5800_1 UB-5800_2 UB-5800_3 UB-5800_4	Once all cabling is finished, opening Channel A or Channel B in the menu automatically adds the newly connected antenna unit(s) and displays their information (see Figure 1). 1.Band:Cannot be edited here; when the system is in Sync mode, the UA-5800 is the band-setting host. 2.Mode:Active/Passtive Mode 3.Gain:-13~27dB 4.KeyLock 5.User Name 6.Return
Return	Returns to the previous screen.



```
1.Band
2.Frequency
3.Attenuate
4.Ant. Powering
5.UDA-5800_1
6.UB-5800_2
7.UB-5800_3
8.UB-5800_4
9.Return
```

▲ Figure 1: Added after connecting the antenna.

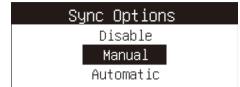


```
1.Band
2.Mode
3.Gain
4.KeyLock
5.User Name
6.Return
```

▲ UDA-5800_1

3.Sync Options

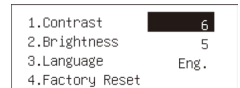
Disable	Disabling Sync
Manual Mode	(1) Startup information scan: Sync LED solid yellow while scanning, then solid green when finished. All parameters from every daisy-chained unit are now shown in the host's menu. (2) Sync after parameter changes: From the Figure 1 menu, select and change any desired parameter except "Band." Save after changes and press the SYNC button, and the LED blinks yellow. Wait for the host's display to show "Sync Complete" (Figure 2).
Automatic Mode	(1) Startup information scan: Sync LED solid purple while scanning, then solid blue when finished. The parameters of all devices connected to the host appear in the host' menu. (2) Auto-sync: In Figure 1 you may change only "Key Lock" or "User Name". Save after changes and press the SYNC button, and the LED blinks purple. Wait for the host's display to show "Sync Complete" (Figure 2). *The host automatically measures signal loss along each coaxial cable segment and sets the optimal gain for every device.(+2dB)



▲ Figure 2: Channel A has no device connected, Channel B has a device and synchronization is complete

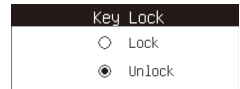
4.System Options

contrast	0-9
Brightness	0-9
Language	中文/English
Factory Reset	Restore factory settings



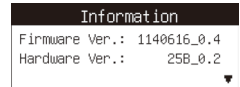
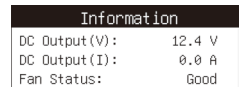
5.Key Lock

Lock	KeyLock OFF
Unlock	KeyLock ON



6.Information

DC Voltage	10 ~ 15v(normal) Exceeding the rated voltage triggers an on-screen warning.
DC Current	0 ~ 4.6A(normal) Exceeding the rated voltage triggers an on-screen warning.
Fan Status	Displays current fan condition.
Firmware Version	Shows installed firmware version.
Hardware Version	Shows installed hardware version.



7.Exit

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1. 系統操作注意事項

- * 在接上電源前，必須先確認主機標示之電源需求與附上的變壓器的輸出電源值相同。
- * 勿將機器置放於潮濕及高溫的地方。
- * 操作該系統前，請先擦乾雙手。
- * 保持機器遠離火源與熱源。
- 注意:本產品使用環境僅適用於-10° C(14°F)至+50° C(122°F)之間條件下安全使用。

2. 特色

UDA-5800 / UB-5800

- * 高效能天線/放大器：內建帶通濾波器與低噪音放大器，可有效提升訊號品質。
- * 優異的指向性增益：提供約7dB增益，波束寬度達 120度，適合多種應用情境。
- * 寬頻覆蓋範圍：支援450 - 1000MHz頻段，並具備旁通(被動)模式 (Bypass Mode) 功能。
- * 頻帶微調選擇：提供頻寬60MHz，每10MHz微調的可選帶通濾波器，共計19個可選頻帶。
- * 彩色LCD顯示介面：即時顯示操作狀態與設定參數，提升使用便利性。
- * 自動增益控制 (AGC)：搭配UA-5800可自動調整訊號強度，維持穩定接收效果。主機會自動偵測裝置之間所連接每一段同軸電纜的信號損失，並自動為每個裝置調整適合的增益設定(±2dB)
- * 內部增益調整：可啟用1dB增益微調，對應不同場域需求。
- * 支援遠端控制：可透過 UA-5800的控制器進行參數調整與操作。
- * 設計輕巧、體積更小：相較於 UDA-49AP更輕巧便攜。

UA-5800

- * 全頻UHF天線分配器：可將一對天線接收到的訊號，分配至多組無線接收機，適用於多通道無線系統架構。
- * 內建RF放大功能：有效補償因訊號分配所產生的功率損耗，確保每組接收器皆能獲得穩定、強勁的訊號。
- * 內建DC電源分配：提供八組DC 12V輸出，可為接收器供電，簡化整體設備佈局。
- * 支援最多八組無線接收機：單一UA-5800最多可連接八台接收器，亦可串接多台UA-960以擴充更多頻道。
- * 頻帶微調選擇：提供頻寬60MHz，每10MHz微調的可選帶通濾波器，共計19個可選頻帶。
- * 自動增益控制功能：智慧調整訊號輸出強度，提升系統整體穩定性。
- * 與UDA-5800或UB-5800完美搭配：可透過至少50米(單一條RG-58U)、最多可達200米(四條RG-58U)內的同步控制距離實現整合應用，適合大型演出或複雜系統需求。

3. 規格

3-1 UHF 指向性天線 // UDA-5800

天線	
增益	7dBi
有效角度	水平 120° ； 垂直 90°
操作頻寬	450~1000 MHz (被動模式) 470-960 MHz (主動模式)
頻帶微調	頻帶寬幅:60MHz / 每次 10MHz 調整 低頻帶：470-710MHz；高頻帶：720-960MHz 濾波器選項
控制	透過同軸電纜傳輸做遠端控制或螢幕上選擇控制
增益	-13~27 dB typical (每次1 dB調整)
增益平坦度	+/-1 dB
電源	+12 Vdc/55mA (藍燈:-13~ -1dB / 綠燈:0~13dB) +12 Vdc/110mA (紅燈: 14~27dB) 橘燈: Bypass
電壓	10~15Vdc
尺寸	282.5mm(寬)*384.5mm(高)

3-2 天線放大器 // UB-5800

控制	透過同軸電纜傳輸做遠端控制或螢幕上選擇控制
增益	-13~27 dB typical (每次1 dB調整)
操作頻寬	470-960 MHz
頻帶微調	頻帶寬幅:60MHz / 每次 10MHz 調整 低頻帶：470-710MHz；高頻帶：720-960MHz 濾波器選項
增益平坦度	+/-1 dB
電源	+12 Vdc/55mA (藍燈:-13~ -1dB / 綠燈:0~13dB) +12 Vdc/110mA (紅燈: 14~27dB) 橘燈: Bypass
電壓	10~15Vdc
尺寸	282.5mm(寬)*384.5mm(高)

3-3 天線分配器 // UA-5800

載波頻率範圍	UHF 470~960MHz
衰減	-31dB ~ 0dB
頻帶微調	頻帶寬幅:60MHz / 每次 10MHz 調整 低頻帶：470~710MHz；高頻帶：720-960MHz 濾波器選項
全頻帶增益	3dB (±3dB)
隔離度	≥25 dB
三接交調截取點	24 dBm
阻抗	50 Ohm
消耗功率	74W
輸入交流電電壓	100~240V 交流電；50/60Hz:2A
輸出直流電電壓	+12V/0.5A x 8
天線增幅器電壓	12V/0.4A

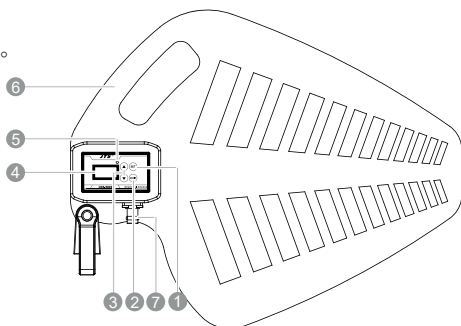
3-4 同軸電纜線衰減量

最常見的同軸電纜線典型衰減 (dB/100M)			
電纜線型號	100MHz	400MHz	900MHz
RG-58/U	14.5	30.8	50.2
4D-FB	9.7	17	24.8
5D-FB	7.5	13.5	20.5
RG-213/U	6.9	18.1	25.7

4. 部件說明

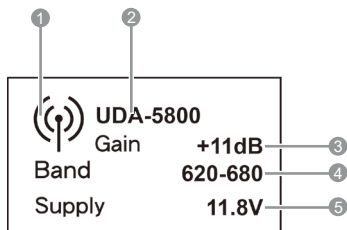
4-1 UHF 指向性天線 // UDA-5800

- 1 SET鍵：功能設定鍵，長按兩秒進入設定模式。
- 2 退出鍵
- 3 ▲/▼選擇鍵
- 4 液晶螢幕
- 5 LED指示燈號
- 6 指向性天線基板
- 7 信號輸出接頭



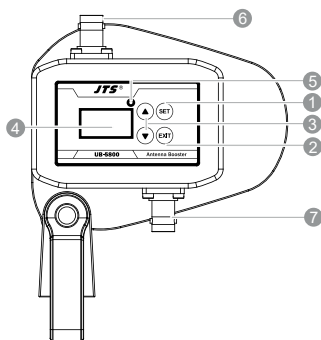
UDA-5800 液晶顯示內容

- 1 天線符號
- 2 使用者名稱
- 3 增益
- 4 頻帶
- 5 供應電壓:在10-15V之間為正常範圍



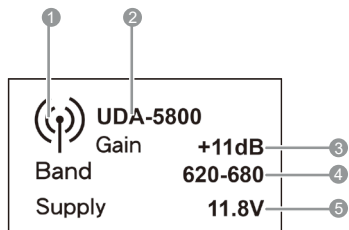
4-2 天線放大器 // UB-5800

- 1 SET鍵：功能設定鍵，長按兩秒進入設定模式。
- 2 退出鍵
- 3 ▲/▼選擇鍵：
- 4 液晶螢幕
- 5 LED指示燈號
- 6 信號輸入接頭
- 7 信號輸出接頭



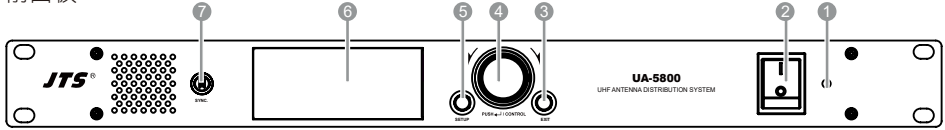
UB-5800 液晶顯示內容

- 1 裝置編號
- 2 使用者名稱
- 3 增益
- 4 頻帶
- 5 供應電壓:在10-15V之間為正常範圍

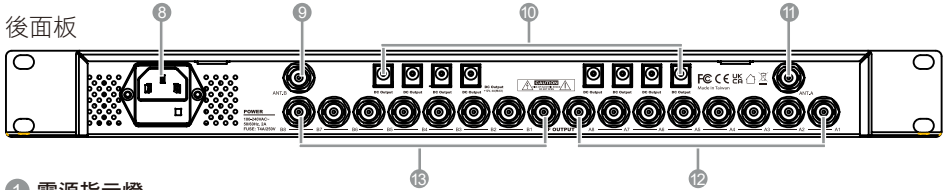


4-3 天線分配器 // UA-5800

前面板



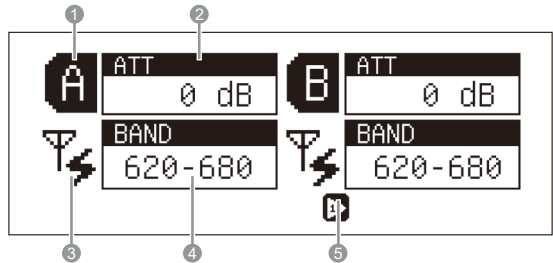
後面板



- ① 電源指示燈
- ② 電源開關
- ③ 退出鍵
- ④ 飛梭旋鈕
- ⑤ 設定鍵
- ⑥ 液晶面板
- ⑦ 同步按鍵 (燈號)
- ⑧ AC電源插座 C14 (帶保險絲)
- ⑨ 天線輸入BNC (B)
- ⑩ 電源輸出 DC JACK (最大12V/4A)
- ⑪ 天線輸入BNC (A)
- ⑫ 信號分配輸出BNC (A1-A8)
- ⑬ 信號分配輸出BNC (B1-B8)

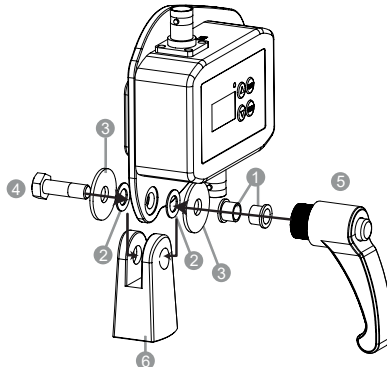
UA-5800 液晶顯示內容

- ① 通道
- ② 主機信號輸出衰減
- ③ 天線供電
- ④ 頻帶
- ⑤ 連線裝置



4-4 配件 // UB-5800

- ① 腳架墊圈*2
- ② 腳架墊片*2
- ③ 橡膠固定墊*2
- ④ 螺絲
- ⑤ 腳架手把
- ⑥ 腳架固定座



5. 連結方式

5-1 連接方式 // UDA-5800/UB-5800

(1) UA-5800 天線輸入端 (A/B) 搭配UB-5800或UDA-5800最多可連線串接各4個裝置

範例一:UA-5800搭配3個UB-5800，終端UB-5800信號輸入BNC端安裝天線

範例二:UA-5800搭配1個UDA-5800，中間串接1個UB-5800

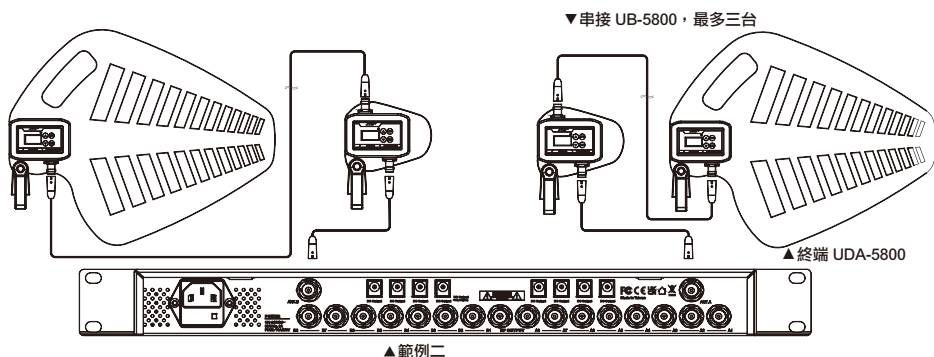
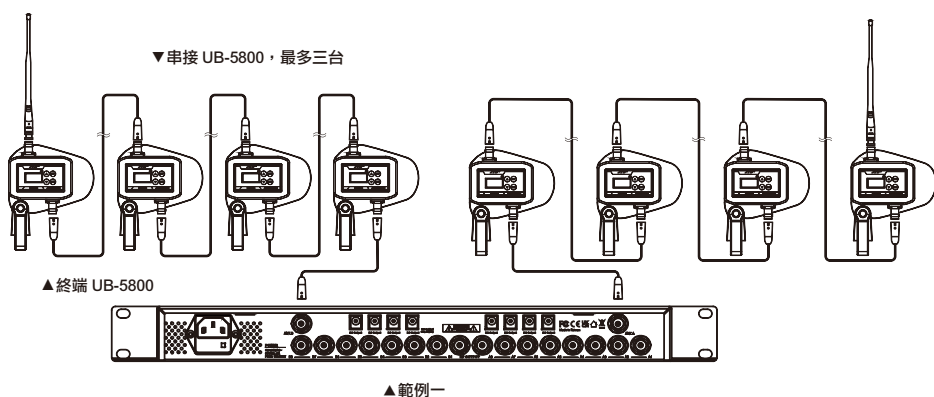
(2) 安裝注意事項:

1. 搭配UA-5800確保正確連接完成後，再開機供電，此時UA-5800會判斷連線裝置數量，並對所有連線裝置自動編號，終端裝置編號固定為1號天線

2. 一般使用同軸電纜損失參數，請參考"3-4 同軸電纜線典型衰減量"，並按照參數選擇適當纜線長度，以UB-5800 最大增益為27dB，建議單段使用長度如下:

舉例1:RU-58/U 使用長度應介於 5M - 50M

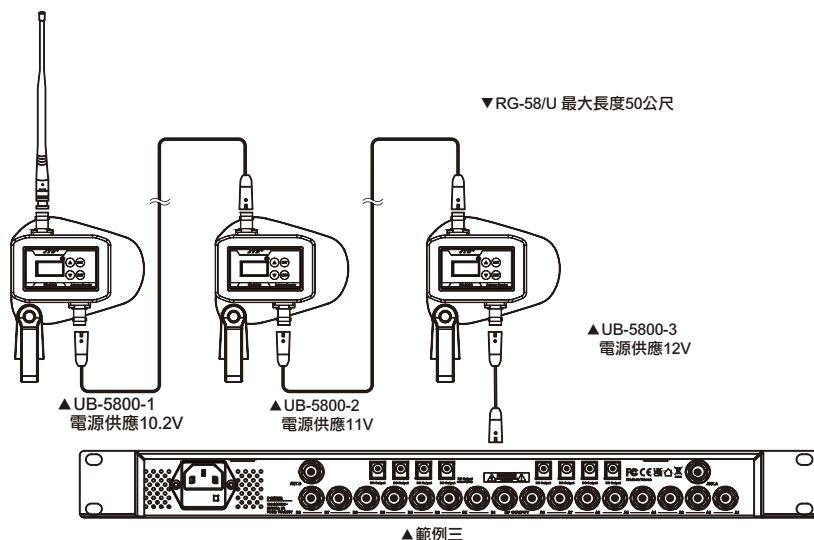
舉例2:4D-FB 使用長度應介於 10M - 100M



5-2 連接方式 // UA-5800

- (1) 確保連線裝置都正確連接後，再開啟主機電源，不建議主機開啟時，進行裝置熱插拔。
- (2) UA-5800 天線輸入端 (A/B) 各提供 12V/0.4A 的供電能力，搭配 UB-5800 或 UDA-5800 最多可連線串接各4個裝置，但須注意使用的同軸電纜品質與長度，盡量確保每個連接裝置偵測到的供應電壓不要低於10V。

範例三: 使用RG-58/U最大長度50公尺，實務上可能只能串接3個連線裝置。



- (3) UA-5800提供 12V/4A 最大(±5%)DC電源輸出，可提供多台接收機使用(最多8台)，單一DC輸出以不超過0.75A為原則，總輸出電壓/電流可於主選單內的系統資訊裡觀看，超過額定(電壓/電流)會於主畫面警示。

例如1: 12V/0.5A，最多可以接8台接收機。

例如2: 12V/0.65A，最多可以接6台接收機。

注意: 建議接收機電源開關保持開啟狀態，統一由主機開機時供電。

- (4) 通道A/B 一般情形下請設置成相同頻帶，避免接收機選訊出現斷訊情形

6. 系統操作說明

6-1 操作使用 // UDA-5800/UB-5800

參數設定

- (1) UDA-5800/UB-5800可透過同軸電纜連接UA-5800
做同步控制，也可以手動設定參數項目。
- (2) "設定鍵"長按2秒，進入主選單，可透過"上/下 按鍵"選擇
要變更的項目，變更完成後再按一次"設定鍵"儲存設定。
- (3) LED 指示燈號：
紅燈：主動模式下，增益設定為 +14~+27dB。
綠燈：主動模式下，增益設定為 0~+13dB。
藍燈：主動模式下，增益設定為 -13~-1dB。
黃燈：被動模式 (Full Band Bypass 模式)。

1. 操作模式
2. 頻帶設定
3. 頻率設定
4. 增益調整
5. 使用者名稱
6. 系統設定
7. 按鍵鎖定
8. 離開設定

1. 操作模式

主動模式	按▲/▼鍵選擇
被動模式	按▲/▼鍵選擇

操作模式

主動

被動

2. 頻帶設定

全頻 (Full)	470~960
窄頻 (Narrow)	

頻帶設定

全頻

窄頻

3. 頻率設定 (於窄頻模式)

低頻帶	(470~530)~(650~710) (一次:10MHz)
高頻帶	(720~780)~(900~960) (一次:10MHz)

頻率設定

620-680

4. 增益調整

增益調整	-13 ~ +27dB (一次調整1dB)
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增益調整

+2 dB

5. 使用者名稱

按▲/▼鍵選擇字母、數字或符號，按Set鍵填入並設定下一個字。

使用者名稱

UB-58001/8

Q R S T U V W X

6. 系統設定

(1) 螢幕亮度

亮度	1-8 (預設值5)
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螢幕亮度



(2) 螢幕待機時間

15s ~ 恆亮	按▲/▼鍵選擇
----------	---------

螢幕待機
5 min

(3) 顯示模式

黑底白字	按▲/▼鍵選擇
白底黑字	按▲/▼鍵選擇
彩色	按▲/▼鍵選擇

顯示模式
黑底 白底 彩色

(4) 語言

English	按▲/▼鍵設定
中文	按▲/▼鍵設定

語言
English 中文

(5) 回復出廠設定

(6) 返回

7. 按鍵鎖定

關閉	按▲/▼鍵設定
開啟	按▲/▼鍵設定

按鍵鎖定
開啟 關閉

8. 離開設定

6-2 操作使用 // UA-5800

參數設定

- (1) 開機時，系統會自動獲取與主機連接的所有UB-5800/UDA-5800 相關參數資訊並自動為裝置進行編號，並於同步燈號顯示目前裝置資訊獲取狀態。
- (2) 按"設定鍵"2秒進入主選單，用"飛梭旋鈕"選擇要設定的參數項目，再按"設定鍵"或"飛梭旋鈕"進入設定項目變更參數後再按"設定鍵"儲存，要退出選單，按"退出鍵"。
- (3) 主機操作選單請照參數設定，裝置資訊獲取後的操作選單，請參照參數設定6-2
- (4) UA-5800 內建2種同步模式，參考操作選單"6-3同步設定"。

1.A 通道
2.B 通道
3.同步設定
4.系統設定
5.按鍵鎖定
6.系統資訊
7.離開設定

1. A/B 通道設定

頻帶選擇	全頻/窄頻
頻率設定	470~960 (頻帶寬幅: 60MHz)
信號衰減	-31 ~ 0 dB
天線供電	ON/OFF
離開	返回上一頁

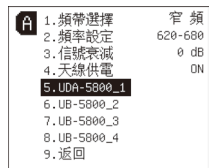
A	1.頻帶選擇	全 頻
	2.信號衰減	0 dB
	3.天線供電	開 啟
	4.返回	

A	1.頻帶選擇	窄 頻
	2.頻率設定	470~530
	3.信號衰減	0 dB
	4.天線供電	開 啟
	5.返回	

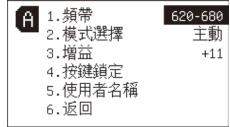
*註:一般使用情形下，請將通道 A/B 設置為相同頻帶。

2. A/B 通道設定（裝置連接後）

頻帶選擇	全頻/窄頻
頻率設定	470~960 (頻帶寬幅: 60MHz)
信號衰減	-31~ 0 dB
天線供電	ON/OFF
UDA-5800_1 UB-5800_2 UB-5800_3 UB-5800_4	完成連接後，進入通道A/B會增加連接上的天線設備並回傳該設備上的訊息，如圖一。 1. 頻帶: 不能設定，同步時以UA-5800為主 2. 模式選擇: 主動模式/被動模式 3. 增益: -13~27dB 4. 按鍵鎖定 5. 使用者名稱 6. 返回
離開	返回上一頁



▲圖一：當連接天線裝置後新增



▲UDA-5800_1

3. 同步設定

關閉	選擇關閉同步功能
手動	(1) 開機裝置資訊獲取: 同步燈號恆亮黃燈，完成後恆亮綠燈，此時與主機連接所有裝置的參數資訊會顯示到主機的選單裡。 (2) 變更設定後同步: 進入圖一選單內容，選擇要變更的相關參數 (不含頻帶設定)，變更完成並儲存後再按"同步鍵"，此時會閃爍黃燈，等待主機螢幕上顯示"同步完成"資訊，如圖二。
自動	(1) 開機裝置資訊獲取: 同步燈號恆亮紫燈，完成後恆亮藍燈，此時與主機連接所有裝置的參數資訊會顯示到主機的選單裡。 (2) 自動同步: 進入圖一選單內容，該模式下可以設定的參數只有"按鍵鎖定/使用者名稱"2種，變更完成並儲存後再按"同步鍵"，同步燈號閃爍紫燈，等待主機螢幕上顯示"同步完成"資訊，如圖二。 *主機會自動偵測裝置之間所連接每一段同軸電纜的信號損失，並自動為每個裝置調整適合的增益設定(±2dB)



▲圖二

4. 系統設定

對比	0~9
亮度	0~9
語言	中文/英文
回復原廠設定	



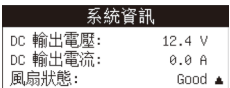
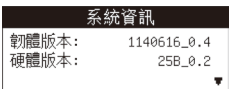
5. 按鍵鎖定

關閉	關閉按鍵鎖定
開啟	開啟按鍵鎖定



6. 系統資訊

DC 電壓	正常值: 10 ~ 15v 超過額定，主畫面會警示。
DC 電流	正常值: 0 ~ 4.2A 超過額定，主畫面會警示。
風扇狀態	顯示風扇當前狀況
韌體版本	顯示目前韌體版本
硬體版本	顯示目前硬體版本



7. 離開設定



JTS

JTS[®] PROFESSIONAL CO., LTD.

No. 148, 9th Industry Road, Ta-Li Industrial Park,
Taichung City 41280, Taiwan.

Tel: 886-4-24938803 Fax: 886-4-24914890

E-mail: jts@jts.com.tw

www.jts.com.tw

Made in Taiwan



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