

# Antenna System

Wireless Accessories



UAM-900



USP-124

## UAM-900

UHF RF Power Amplifier

UAM-900 is a full UHF band RF power amplifier. It provides maximum 1 W output power( +30dBm).

- Carrier Frequency Range:**470~870MHz
- Amplifier Gain:**+15dB(Max)
- Input Impedance:**50 ohm
- RF Output:** 30dBm (Max) (Depends on local regulation)
- Input/Output Connector:** BNC (Female):1 in 4 out
- Function:**
  1. Gain Controls:-5~+15dB
  2. Input Power Indicator (Threshold:>3dBm)
  3. Output Overload Indicator
  4. Lock-on Mode
- Power Supply:** DC12V~15V/1A
- Dimensions(mm):** 212mm(W) x 44mm(H) x 203mm(D)
- Weight:** 350g
- Note:**Actual Product specifications may vary depending on model and region

## UC-900RX



Antenna Combiner

The UC-900RX is designed for receivers. It provides 2 x 4 antenna inputs to minimize RF dead zone on a stage or any venue. It also feature RF input ON/OFF, input attenuation from -31 to 0 dB and input signal ON/OFF control. The UC-900RX makes RF engineers' job easy.

- Carrier Frequency Range:** 470~960MHz
- Full System Gain:** 3dB(±3dB)
- Input/Output Impedance:** 50 Ω
- A/B Antenna Input:**4+4
- OIP3:** 35dBm(typ.) @ 2-tone Pi=-15dBm/100W
- RF Input Attenuation:** -31~0dB (Step:1dB)
- Input/Output Connectors:** BNC(F):Input x8 / Output x2
- Functions:**
  1. Antenna Booster Powering ON/OFF Control
  2. RF Input Attenuation Control
  3. RF input Signal ON/OFF Control
- Antenna Booster Power:** 12V/200mA\*8
- Power Supply:** 100~240VAC; MAX 2A 50/60Hz
- Dimension(mm):** 480mm(W)\*45mm(H)\*260mm(D)
- Weight:** 2.35g
- Note:**Actual Product specifications may vary depending on model and region

## UC-900



Antenna Combiner

This 4 inputs and 1 output antenna combiner is compatible with transmitters like SIEM-111, TG-10STX, TG-10GSTX and other transmitters with BNC antenna connectors. It is designed to improve RF performance by reducing intermodulation distortion. This product will also help to save investment in antenna systems.

\* Provides 4 DC outputs each of 12 V x 800 mA for 4 sets of transmitters.

- Frequency Range:** 470 ~ 970 Mhz
- Full System Gain:** 0dB(±2dB)
- Maximum RF Input Power:** +20dBm(100mW)
- LED Indicator (Input signal Threshold):** >+5dBm (Threshold Power)
- Power Consumption:** 60W
- Input / Output Connectors:** BNC@50Ω : 4 Antenna Input at back, 1 Antenna Output at front.
- DC Output Jacks:** 4 at back.
- DC Output:** DC12V/1A Max (4 outputs, total of 48W)
- Input Voltage:** 100~240 VAC, 50/60Hz,MAX 2A
- Accessories:** 4 DC / DC Cables and 4 BNC / BNC Cables included
- Dimensions (mm):** W480 \* H45 \* D260 mm
- Weight:** 2.3kg
- Note:**Actual Product specifications may vary depending on model and region

## UA-948



Antenna Distributor

The JTS UA-948 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-948 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-948 can support up to four wireless receiver.

- Frequency Range:** 470 ~ 960 Mhz
- RF Output Level (Gain):** -0.5 ~ 3 dB
- Output Connector Isolation:** ≥ 25 dB
- Third Order Intercept Point:** 24 dBm
- Impedance:** 50 Ohm
- Power Consumption:** 48W
- Input AC Voltage:** 100 ~ 240V switching power
- Output DC Voltage:** 12V , 4 Connectors
- Antenna Booster DC Voltage:** 12 V
- Dimension :** 480 (W) \* 45 (H) \* 250 (D)mm (standard 19" and 1U case)
- Net Weight:** 2.15 kg
- Note:**Actual Product specifications may vary depending on model and region

## UA-960



Antenna Distributor

The JTS UA-960 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-960 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-960 can support up to four wireless receiver. Multiple UA-960 can be cascaded for more wireless receivers.

\* 2 extra BNC sockets that can be easily cascaded with another antenna distributor.

- Frequency Range:** 470-960 MHz
- RF Output Level(Gain):** 3 dB ± 2
- Cascade output level:** 0dB ~ +2dB
- Output Connection Isolation:** ≥ 25 dB
- Third Order Intercept Point:** 24 dBm
- Impedance:** 50 Ohm
- Power Consumption:** 60W
- Input AC Voltage:** 100 ~ 240 V switching power
- Output DC Voltage:** +12V 1A x 4
- Antenna Booster DC Voltage:** 12V
- Dimension:** 480(W) \* 45(H) \* 250(D)mm (standard 19" and 1 U case)
- Net Weight:** 2.15 Kgs
- Note:**Actual Product specifications may vary depending on model and region

## USP-124



UHF Wideband Tx Power Splitter

The USP-124 is a UHF 4 channel transmission signal splitter. It provides maximum output level of 26 dBm at each output port.

The main application of the product is to provide larger coverage of transmission signal, for example, different floors in a building.

The product is good not only with JTS stationary transmitters but also transmitters from other brands.

- Carrier Frequency Range:** UHF 470~970MHz
- Amplifier Gain:** 0~+2dB
- Input/Output VSWR:** ≤ 1.5:1
- Input Power Indicator:** +3dBm, +7dBm, +15dBm, +20dBm
- Maximum Input Power:** +26dBm (Under +24dBm is Recommended)
- Power Supply:** DC 12~15V/1A
- Connectors:** BNC Socket(1 Input + 4 Outputs)
- Dimensions(mm):** 212 (W) x 44 (H) x 203 (D)
- Weight:** 350g

## USP-900

Passive Antenna Splitter

- \* Full frequency band:470~960 MHz
- \* One BNC antenna in and two BNC out
- \* RF Carrier Frequency Range: 10~1,000 MHz
- \* VSWR(Voltage Wave Standing Ratio): 1.2
- \* Impedance: 50Ω
- \* Isolation: 20dB
- \* Insertion Loss: 2dB
- \* Dimension(mm): 72.2 (W)\* 23.6(H)\* 54.9 (D)
- \* Weight: 62.6 grams



UC-900RX



UC-900



UA-960



UA-948



USP-900

# Antenna System

Wireless Accessories



UDA-49A

UDA-49P

## RTF-1/RTF-3/RTF-20

Antenna Extension Cables

- \* Type: RG-58 Cable
- \* Attenuation:  $\leq -5.25\text{dB}/10\text{m}$
- \* Length:
  - RTF-1: 60cm
  - RTF-3: 3 meters
  - RTF-20: 20 meters



RTF-1 / RTF-3

## RTF-UF20

Rear To Front Antenna Cable

This cable(M-F) set consists of two 60cm cables. It is used for UF-20R to convert rear antennas mount to the front.



RTF-UF20

## RTF-20-5D

Antenna Extension Cable

- \* Type: 5D-FB Cable
- \* Attenuation:  $-2\text{dB}/10\text{m}$
- \* Length: 20 meters



RTF-20 / RTF-20-5D

BNC-F / BNC-F adapter

## RTF-2U

Rear to Front antenna kit

- \* Included: 2 cables(M-M), 2 rack ears and BNC-F / RCA-F adapters.



RTF-2U

## UDA-49A

Active UHF Directional Antenna

- \* Good for receiver.
- \* Frequency Band: 470~960 MHz
- \* Effective Working Angle: 100 degree
- \* Antenna Gain: 10dB
- \* Net Weight: 400g
- \* Power Supply: 12V, 50mA
- \* Booster Gain: 3dB/10dB Selectable

## UDA-49P

Passive UHF Directional Antenna

- \* Good for both transmitter and receiver.
- \* Frequency Band: 470 ~ 960 MHz
- \* Effective Working Angle: 100 degree
- \* Antenna Gain: 10dB
- \* Net Weight: 400 grams

## ANT-952

1/2 wave antenna

- \* 1/2 wave antenna with BNC connector.

## ANT-49

Wideband Omni-directional UHF Antenna

ANT-49 provides consistent reception and transmission across 470-960 MHz. It is ideal for wireless microphone, in ear-monitor system, UHF spectrum analyzer and other UHF devices.



ANT-952

ANT-49

## UB-900i

Antenna Booster

UB-900i is designed to compensate signal loss on long antenna cables or passive antenna splitter. One UB-900i can compensate 10dB of cable attenuation which is about 20 meters of RG-58 cable. This product is powered by power output from antenna distributor UA-960 or from receivers' BNC connector. DC power supply is indicated by a red LED.

Up to two UB-900i can be cascaded.

**Frequency Band:** 470~960MHz  
**Power Supply:** 8~12V, Max 25mA/1 unit  
**Dimension(mm):** 75mm \* 18.2mm \* 77mm (Antenna & Rack Mount Kit Excluded)  
**Weight:** 136g (Antenna & Rack Mount Kit Excluded)

## UB-900ACT

Antenna Booster

- \* Carrier frequency range: 470~960MHz
- \* Booster gain: 14( $\pm 2\text{dB}$ ) dB
- \* Coverage angle: 360 degree
- \* Operation voltage: DC IN: DC +12V
- \* RF OUTPUT(Receiver Power): +8~+12V
- \* Dimension: 75mm \* 18.2mm \* 77mm (Antenna & Rack Mount Kit Excluded)
- \* Weight: 140g



UB-900ACT (antenna excluded)

UB-900i (antenna excluded)

# Rack Mount Kit

## RM-221

Rack Mount Kit

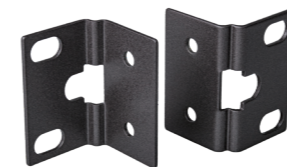
- \* for RU-12



RM-221

## RM-12

Rack Mount Kit

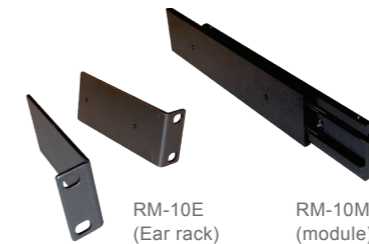


RM-12

## RM-10

Rack Mount Kit

- \* for UF-10R / SIEM-111T / UF-20S



RM-10E (Ear rack)

RM-10M (module)



## DR-900

Dual Rack With Panel Cover

- \* Combining 2 half rack receivers into 1U rack space.



DR-900

## RM-901

Rack Mount Kit

- \* Rack mount kit for half rack receivers and transmitters, such as US-901D, US-9001D, SIEM-111T, and CS-4, TG-10STX, TG-10SRX, UF-20S, UF-10R, CS-8



RM-901



RP-900

Receiver	Rack kit	Extension Cable	Receiver	Rack kit	Extension Cable
UF-20R	no need	RTF-UF20	US-9001D	RM-901	RTF-UF20
UF-20S	RM-901 & RM-10	RTF-UF20	US-8001D	DR-900	Without BNC
R-4	no need	RTF-UF20	E-7R	DR-900	Without BNC
RU-901Du	no need	RTF-UF20	E-7Du	DR-900	Without BNC
RU-901G3	RM-901	RTF-UF20	UR-816D	DR-900	Without BNC
RU-12	RM-221	RTF-UF20	UR-816DB	DR-900	RTF-UF20(for one)
RU-992	RM-12	RTF-2U	SIEM-111T	RM-901 & RM-10	RTF-UF20
RU-8011D	DR-900	RTF-UF20(for one)	SIEM-2T	DR-900	Without BNC
RU-8012DB	DR-900	RTF-UF20(for one)	TG-10STX	RM-901 & RM-10	RTF-UF20
RU-8011DB	DR-900	RTF-UF20(for one)	TG-98STX	RM-901 & RM-10	RTF-UF20
IN-264R	RM-12	RTF-2U	TG-10SRX	RM-901	RTF-UF20

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