

MASCOT

WIRELESS MICROPHONE SYSTEM



MADE IN TAIWAN

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Digital

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The Passion of Perfect Sound Since 1979

Win Your Freedom with MASCOT Wireless Microphones

Keep Enhancing!



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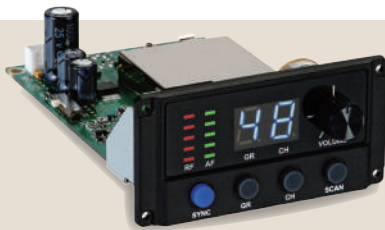
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DR-024D



DR-024D Digital Dual Channel Receiver

Features : DR-024D

- * True digital diversity transmission range: up to 60 meters / 190 feet.
- * 2.4GHz operation free from TV interference.
- * Easy-to-use intuitive interface with preset 8 channel offers to setup quickly.
- * Clear VA LCD displays channel, AF/RF/Battery levels.
- * One button SYNC function to synchronize the receiver and the transmitter quickly.
- * MIC/LINE function for adjusting the audio output level.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.

Specifications : DR-024D

Receiving Mode	Dual-tuner Digital Diversity
Frequency Range	ISM 2,400 ~ 2,483 MHz
Display	LCD Display
Preset Channel	8 Channel
Modulation	FSK digital modulation
Transmission Method	Each channel has 2 preset hopping frequencies
Audio Sampling	24 bit / 48 KHz
S/N Ratio	> 105dB (A)
Audio Codec	APT [®] X LIVE
Audio Frequency Response	50 Hz ~ 20 KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 105dB
Latency	< 5 ms
Antenna	Detachable Antenna
Audio Output	Balanced & Unbalanced
Power Supply	DC 12V
Current Consumption	305mA±10mA
Case	Half 19" EIA Rack Metal Case
Dimension(mm) WxHxD	200 x 42 x 183
Net Weight	Approx. 890g



DF-024D

DB-024D



DF-024D Handheld Microphone DB-024D Bodypack Transmitter

Features : DF-024D

- * Features with MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * SYNC function for quickly channel setting.
- * Talk switch for easy operation.

Features : DB-024D

- * SYNC function for quickly channel setting.
- * Gain settings for different audio input sources.
- * Convenient mute switch function.

Specifications : DF-024D / DB-024D

Frequency Range	ISM 2,400 ~ 2,483 MHz
Channel Select	SYNC with receiver
Display	LCD Display
RF Power Output	10mW
Transmitting Mode	Frequency hopping
Gain Setting	DB-024D: 0dB / -10dB / -20dB
Current Consumption	160mA±10mA
Battery	DC 3V (1.5V 2AA batteries)
Battery Life	Minimum 8 hours of operation with fully charged (depending on the battery quality)
Dimension(mm) WxHxD	DF-024D: 260 x 51Ø DB-024D: 65 x 97 x 25
Net Weight	DF-024D: Approx. 240g DB-024D: Approx. 86g

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DR-024B

DR-024B Digital Receiver

Features : DR-024B

- * True digital diversity transmission range: up to 60 meters / 190 feet.
- * 2.4GHz operation free from TV interference.
- * Easy-to-use intuitive interface with preset 8 channel offers to setup quickly.
- * Clearly channel LED display.
- * One button Pair function to synchronize the receiver and the transmitter quickly.
- * MIC/LINE function for adjusting the audio output level.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.

Specifications : DR-024B

Receiving Mode	True Diversity
Frequency Range	ISM 2,400 ~ 2,483 MHz
Display	7 segment LED Display
Preset Channel	8 Channel
Modulation	FSK digital modulation
Audio Sampling	24 bit / 48 KHz
Audio Codec	APT [®] X LIVE
S/N Ratio	> 100dB (A)
Audio Frequency Response	50 Hz ~ 20 KHz
T.H.D.	< 1%
Dynamic Range	> 100dB
Latency	< 5 ms
Antenna	Fixed Antenna
Audio Output	Balanced & Unbalanced
Power Supply	DC 12V
Current Consumption	165±10mA
Case	Half 19" EIA Rack Case
Dimension(mm) WxHxD	200 x 42 x 183
Net Weight	Approx. 360g



DF-024 Handheld Microphone

DB-024 Bodypack Transmitter

Features : DF-024

- * Features with MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Pair function for quickly channel setting.
- * Talk switch for easy operation.

Features : DB-024

- * Pair function for quickly channel setting.
- * Gain settings for different audio input sources.
- * Convenient mute switch function.

Specifications : DF-024 / DB-024

Frequency Range	ISM 2,400 ~ 2,483 MHz
Channel Select	Pair with receiver
Display	LED shows the battery status
RF Power Output	10mW
Transmitting Mode	Frequency hopping
Gain Setting	DB-024: 0dB / -10dB / -20dB
Current Consumption	180±10mA
Battery	DC 3V (1.5V 2AA batteries)
Battery Life	Minimum 6 hours of operation with fully charged (depending on the battery quality)
Dimension(mm) WxHxD	DF-024: 264 x 51Ø DB-024: 68 x 85 x 25
Net Weight	DF-024: Approx. 248g DB-024: Approx. 92g

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RS-99N



RS-99N Diversity Single Channel Receiver with Digital Output

Features : RS-99N

- * Up to 60 meters reception for total wireless freedom.
- * Diversity receiver ensure the reliable transmission quality.
- * Easy to use intuitive interface with preset 8 channel offers quickly setup.
- * AF/RF LED clearly indicated reception status.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Adjustable squelch for eliminating RF interference.
- * Clearly LED 7-segment displays selected channel.
- * Upgrade your entertainment device; 6.3mm plug for a wired microphone.
- * The receiver comes with 2 types of USB port, type-C and Micro USB. It brings convience while you would like to connect with mobile for recording.

Specifications : RS-99N

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	7 Segment LED display shows channel
Preset Channel	8 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Image & Spurious Rejection	55dBm
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	155±5mA
Case	Half 19" EIA Rack Case
Dimension(mm) WxHxD	200 x 42 x 122
Net Weight	Approx. 350g



UF-21B Handheld Microphone

UT-16B Bodypack Transmitter

Features : UF-21B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * The 7-segment LED display shows the current operating channel.

Features : UT-16B

- * Gain setting for different audio input sources.
- * The 7-segment LED display shows the current operating channel.
- * 2 AA batteries offer a long time operation.
- * Convenient mute switch function.

Specifications : UF-21B / UT-16B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Button select
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 10dB / 0dB / -10dB
Mic Unit	UF-21B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-16B: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-21B: 260 x 51Ø UT-16B: 65 x 97 x 24
Net Weight	UF-21B: Approx. 240g UT-16B: Approx. 84g

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UXD-310 True Diversity Single Channel Receiver

UXD-330 True Diversity Dual Channel Receiver

Features : UXD-310 / UXD-330

- * True diversity transmission range: up to 100 meters / 300 feet.
- * Clear VA LCD displays frequency, group, channel and AF/RF levels.
- * 700 available UHF frequency channels.
- * Channels auto scan functions.
- * Preset 8 frequency group containing 12 channel each.
- * Up to 12 systems can be used simultaneously.
- * The SQ control dial for adjusting the audio output level.
- * Detachable receiver antennas for using with professional antenna systems.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.
- * One button synchronization function between receiver and transmitter.

Specifications : UXD-310 / UXD-330

Receiving Mode	True Diversity
Frequency Range	UHF 520 ~ 937.5MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	8 group: 12 compatible channel in each group
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	UXD-310: 260±10mA · UXD-330: 520±10mA
Case	UXD-310: Half 19" EIA Rack Metal Case · UXD-330: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	UXD-310: 200 x 42 x 183 · UXD-330: 400 x 42 x 183
Net Weight	UXD-310: Approx. 970g · UXD-330: Approx. 1630g

UF-61



UT-61



UF-61 Handheld Microphone

UT-61 Bodypack Transmitter

Features : UF-61

- * Features the MASCOT μ 83 dynamic capsule for sweet sound and avoiding handling noise.
- * SYNC function for quickly channel setting.
- * LCD shows group, channel and battery life.
- * Mute off/on switch.
- * UF-61MD: Upper smooth texture **metal** housing fits well in the hand.

Features : UT-61

- * LCD features group, channel and battery life.
- * Gain settings for different audio input sources.
- * SYNC function for quickly channel setting.
- * Convenient mute switch function.

Specifications : UF-61 / UT-61

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	LCD shows group, channel and battery life
RF Power Output	10mW (max.)
Frequency Stability	$\pm 0.005\%$
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-61: 0dB / -10dB / -20dB
Mic Unit	UF-61: Uni-Direction dynamic unit μ 83 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120 \pm 10mA
Dimension(mm) WxHxD	UF-61: 260 x 51 \varnothing UT-61: 65 x 97 x 25
Net Weight	UF-61: Approx. 240g UF-61MD: Approx. 345g UT-61: Approx. 86g

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DUAL RECEIVER





UXD-100 True Diversity Single Channel Receiver

UXD-200 True Diversity Dual Channel Receiver

Features : UXD-100 / UXD-200

- * True diversity transmission range: up to 100 meters / 300 feet.
- * Clear VA LCD displays frequency, group, channel and AF/RF levels.
- * 700 available UHF frequency channels.
- * Automatically channels scan function.
- * Preset 8 frequency group containing 12 channel each.
- * Up to 8 systems can be used simultaneously.
- * The SQ control dial for adjusting the audio output level.
- * Detachable receiver antennas for using with professional antenna systems.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.
- * Synchronization function allows users to match the frequency between receiver and transmitter.

Specifications : UXD-100 / UXD-200

Receiving Mode	True Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	8 group: 12 compatible channel in each group
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	UXD-100: 260±10mA · UXD-200: 520±10mA
Case	UXD-100: Half 19" EIA Rack Metal Case · UXD-200: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	UXD-100: 200 x 42 x 183 · UXD-200: 400 x 42 x 183
Net Weight	UXD-100: Approx. 975g · UXD-200: Approx. 1740g

UF-61



UT-61



UF-61 Handheld Microphone

UT-61 Bodypack Transmitter

Features : UF-61

- * Features the MASCOT μ 83 dynamic capsule for sweet sound and avoiding handling noise.
- * SYNC function for quickly channel setting.
- * LCD shows group, channel and battery life.
- * Mute off/on switch.
- * UF-61MD: Upper smooth texture **metal** housing fits well in the hand.

Features : UT-61

- * LCD features group, channel and battery life.
- * Gain settings for different audio input sources.
- * SYNC function for quickly channel setting.
- * Convenient mute switch function.

Specifications : UF-61 / UT-61

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	LCD shows group, channel and battery life
RF Power Output	10mW (max.)
Frequency Stability	$\pm 0.005\%$
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-61: 0dB / -10dB / -20dB
Mic Unit	UF-61: Uni-Direction dynamic unit μ 83 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120 \pm 10mA
Dimension(mm) WxHxD	UF-61: 260 x 51 \varnothing UT-61: 65 x 97 x 25
Net Weight	UF-61: Approx. 240g UF-61MD: Approx. 345g UT-61: Approx. 86g

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DUAL RECEIVER





UXD-90 True Diversity Single Channel Receiver

UXD-180 True Diversity Dual Channel Receiver

Features : UXD-90 / UXD-180

- * True diversity transmission range: up to 100 meters / 300 feet.
- * Clear VA LCD displays frequency, group, channel and AF/RF levels.
- * 700 available UHF frequency channels.
- * Channels auto scan functions.
- * Preset 8 frequency group containing 12 channel each.
- * Up to 8 systems can be used simultaneously.
- * The SQ control dial for adjusting the audio output level.
- * Detachable receiver antennas for using with professional antenna systems.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.
- * One button synchronization function between receiver and transmitter.

Specifications : UXD-90 / UXD-180

Receiving Mode	True Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	8 group: 12 compatible channel in each group
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	UXD-90: 260±10mA · UXD-180: 520±10mA
Case	UXD-90: Half 19" EIA Rack Metal Case · UXD-180: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	UXD-90: 200 x 42 x 183 · UXD-180: 400 x 42 x 183
Net Weight	UXD-90: Approx. 975g · UXD-180: Approx. 1740g

UF-9R



UT-61



UF-9R Handheld Microphone UT-61 Bodypack Transmitter

Features : UF-9R

- * Features the MASCOT μ 83 dynamic capsule for sweet sound and avoiding handling noise.
- * SYNC function for quickly channel setting.
- * LCD shows group, channel and battery life.

Features : UT-61

- * LCD features group, channel and battery life.
- * Gain settings for different audio input sources.
- * SYNC function for quickly channel setting.
- * Convenient mute switch function.

Specifications : UF-9R / UT-61

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	LCD shows group, channel and battery life
RF Power Output	10mW (max.)
Frequency Stability	$\pm 0.005\%$
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-61: 0dB / -10dB / -20dB
Mic Unit	UF-9R: Uni-Direction dynamic unit μ 83 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120 \pm 10mA
Dimension(mm) WxHxD	UF-9R: 260 x 51 \varnothing UT-61: 65 x 97 x 25
Net Weight	UF-9R: Approx. 240g UT-61: Approx. 86g

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DUAL RECEIVER





RS-61 Diversity Single Channel Receiver

RS-66 Diversity Dual Channel Receiver

Features : RS-61 / RS-66

- * Diversity transmission range: up to 60 meters / 200 feet.
- * Clear VA LCD displays frequency, group, channel and AF/RF levels.
- * 700 available UHF frequency channels.
- * Single button scan functions.
- * Preset 8 frequency group containing 12 channel each.
- * Up to 8 systems can be used simultaneously.
- * The SQ control dial for adjusting the audio output level.
- * Detachable receiver antennas for using with professional antenna systems.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Easy to be installed into a standard 19" rack by rack ears.
- * Fast and easy setup with synchronization matches the operating channel of transmitter to receiver.

Specifications : RS-61 / RS-66

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	8 group: 12 compatible channel in each group
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	RS-61: 185±10mA · RS-66: 370±10mA
Case	RS-61: Half 19" EIA Rack Mini Metal Case · RS-66: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	RS-61: 200 x 42 x 122 · RS-66: 400 x 42 x 183
Net Weight	RS-61: Approx. 639g · RS-66: Approx. 1480g

UF-62B



UT-51



UF-62B Handheld Microphone UT-51 Bodypack Transmitter

Features : UF-62B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * SYNC function for quickly channel setting.
- * LCD shows group, channel and battery life.

Features : UT-51

- * SYNC function for quickly channel setting.
- * Gain settings for different audio input sources.
- * Convenient mute switch function.

Specifications : UF-62B / UT-51

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	Handheld: LCD shows group, channel and battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-51: 0dB / -10dB / -20dB
Mic Unit	UF-62B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-51: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm)WxHxD	UF-62B: 258 x 51Ø UT-51: 65 x 97 x 25
Net Weight	UF-62B: Approx. 263g UT-51: Approx. 86g

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DUAL RECEIVER





RS-51B Diversity Single Channel Receiver

RS-55B Diversity Dual Channel Receiver

Features : RS-51B / RS-55B

- * Diversity transmission range: up to 60 meters / 200 feet.
- * Easy to setup and deliver good sound quality.
- * Clearly 7-segment LED displays selected channel.
- * High signal/noise ration performance.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Adjustable squelch for eliminating RF interference.
- * Easy to be installed into a standard 19" rack by rack kits.

Specifications : RS-51B / RS-55B

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	7 Segment LED display shows channel
Preset Channel	8 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	RS-51B: 150±10mA · RS-55B: 350±10mA
Case	RS-51B: Half 19" EIA Rack Case · RS-55B: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	RS-51B: 200 x 42 x 122 · RS-55B: 400 x 42 x 183
Net Weight	RS-51B: Approx. 365g · RS-55B: Approx. 1445g



UF-21B Handheld Microphone

UT-16B Bodypack Transmitter

Features : UF-21B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * The 7-segment LED display shows the current operating channel.

Features : UT-16B

- * Gain setting for different audio input sources.
- * The 7-segment LED display shows the current operating channel.
- * 2 AA batteries offer a long time operation.
- * Convenient mute switch function.

Specifications : UF-21B / UT-16B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Button select
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 10dB / 0dB / -10dB
Mic Unit	UF-21B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-16B: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-21B: 260 x 51Ø UT-16B: 65 x 97 x 24
Net Weight	UF-21B: Approx. 240g UT-16B: Approx. 84g

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DUAL RECEIVER





RS-31B Diversity Single Channel Receiver

RS-33B Diversity Dual Channel Receiver

Features : RS-31B / RS-33B

- * Up to 60 meters reception for total wireless freedom.
- * Diversity receiver ensure the reliable transmission quality.
- * Easy to use intuitive interface with preset 8 channel offers quickly setup.
- * AF/RF LED clearly indicated reception status.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Adjustable squelch for eliminating RF interference.
- * Clearly 7-segment LED displays selected channel.

Specifications : RS-31B / RS-33B

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	7 Segment LED display shows channel
Preset Channel	8 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	RS-31B: 120±10mA · RS-33B: 350±10mA
Case	Mini Case
Dimension(mm) WxHxD	RS-31B: 170 x 42 x 102 · RS-33B: 262 x 42 x 102
Net Weight	RS-31B: Approx. 260g · RS-33B: Approx. 375g



UF-21B Handheld Microphone

UT-16B Bodypack Transmitter

Features : UF-21B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * The 7-segment LED display shows the current operating channel.

Features : UT-16B

- * Gain setting for different audio input sources.
- * The 7-segment LED display shows the current operating channel.
- * 2 AA batteries offer a long time operation.
- * Convenient mute switch function.

Specifications : UF-21B / UT-16B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Button select
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 10dB / 0dB / -10dB
Mic Unit	UF-21B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-16B: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-21B: 260 x 51Ø UT-16B: 65 x 97 x 24
Net Weight	UF-21B: Approx. 240g UT-16B: Approx. 84g

VOCAL



LAVALIER



HEADSET



GUITAR



INSTRUMENT



DUAL RECEIVER





RS-80

RS-80 Diversity Single Channel Receiver

Features : RS-80

- * Up to 60 meters reception for total wireless freedom.
- * Stylish design with intuitive operation offers the utmost portable convenience.
- * Diversity receiver ensures the reliable transmission quality.
- * 16 channel preset frequency for quickly setup.
- * AF/RF LED clearly indicate reception status.
- * Balanced XLR and unbalanced 1/4" outputs for using with a wide range of equipment.
- * Adjustable squelch for eliminating RF interference.

Specifications : RS-80

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	16 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	120±10mA
Case	Mini Case
Dimension(mm) WxHxD	170 x 32 x 106
Net Weight	Approx. 260g



UF-16

UT-16

UF-16 Handheld Microphone

UT-16 Bodypack Transmitter

Features : UF-16

- * With condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * Compact and solid housing design.
- * LED shows power status.
- * 2 AA batteries offer a long time operation.
- * The power button is located at the bottom of the body to prevent accidentally activated.

Features : UT-16

- * Locking 3.5mm jack can be worked with lavalier, headset or instrument pickup.
- * Numerous uni-directional and omni-directional condenser lavalier or headset microphone for choose.
- * 2 AA batteries offer a long time operation.

Specifications : UF-16 / UT-16

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Rotary
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 0dB / -10dB / -20dB
Mic Unit	UF-16: Uni-Direction electret condenser unit UT-16: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-16: 237 x 53Ø UT-16: 65 x 100 x 27
Net Weight	UF-16: Approx. 240g UT-16: Approx. 84g

VOCAL



LAVALIER



HEADSET



GUITAR



INSTRUMENT



RACK-MOUNTED





RS-93A Diversity Single Channel Receiver

UF-16 Handheld Microphone

Features : RS-93A

- * 16 Channels selectable.
- * Diversity technology minimizes dropouts in the RF link.
- * Reliable transmission technology in excess of 70m range is possible in ideal conditions.
- * The LED display of channel select is an easier optional for the user.
- * Scan function searches for unused frequencies.
- * Adjustable squelch for eliminating RF interference.
- * Channel and volume settings are adjusted via front panel.
- * Balanced XLR and unbalanced 1/4" jack outputs.

Specifications : RS-93A

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	16 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	150±10mA
Dimension(mm) WxHxD	200 x 42 x 122

Features : UF-16

- * With condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * Compact and solid housing design.
- * LED shows power status.
- * 2 AA batteries offer a long time operation.
- * The power button is located at the bottom of the body to prevent accidentally activated.

Specifications : UF-16

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Rotary
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Mic Unit	Uni-Direction electret condenser unit
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm)	237 x 53Ø
Net Weight	Approx. 240g



RS-31B



HMT-1



RS-31B Diversity Single Channel Receiver

HMT-1 Headset Transmitter

Features : RS-31B

- * Up to 60 meters reception for total wireless freedom.
- * Diversity receiver ensure the reliable transmission quality.
- * Easy to use intuitive interface with preset 8 channel offers quickly setup.
- * AF/RF LED clearly indicated reception status.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Adjustable squelch for eliminating RF interference.
- * Clearly 7-segment LED displays selected channels.

Specifications : RS-31B

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	7 Segment LED display shows channel
Preset Channel	8 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	120±10mA
Case	Mini Case
Dimension(mm) WxHxD	170 x 42 x 102
Net Weight	Approx. 260g

Features : HMT-1

- * Clear and nature frequency response for perfect sound performance.
- * 4 hour Battery life, USB 2.0 charging.
- * An ergonomic headset design fits securely and comfortably for fitness and aerobics instructors.
- * IPX4 Water resistance construction, the microphone is able to bear the sweat.

Specifications : HMT-1

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	8 channel
Channel Select	Button select
Display	LED shows the channel
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Sensitivity	-47±3dB
S/N Ratio	> 55dB
Water Resistance	IPX4
Battery	310mAh Lithium battery
Dimension(mm) WxHxD	270 x 140 x 70
Net Weight	Approx. 47.5g

MASCOT



RS-612 High Sensitivity Dual Channel Receiver

RS-614 High Sensitivity Quad Channel Receiver

Features : RS-612 / RS-614

- * Clear VA LCD display panel and user-friendly interface.
- * Auto scan and preset function.
- * Preset 8 frequency group containing 12 channel each.
- * Easy wireless synchronization between transmitter and receiver.
- * Individual output volume control knob.
- * The SQ control dial for adjusting the audio output level.
- * Balanced XLR and unbalanced 1/4" jack outputs.
- * Detachable receiver antennas can connect with antenna booster for enhance the RF signal transmission.
- * Easy to be installed into a standard 19" rack by rack ears.

Specifications : RS-612 / RS-614

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	VA LCD displays group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	8 group: 12 compatible channel in each group
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Balanced & Unbalanced
Current Consumption	RS-612: 360±10mA · RS-614: 720±10mA
Case	RS-612: Half 19" EIA Rack Metal Case · RS-614: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	RS-612: 200 x 42 x 183 · RS-614: 400 x 42 x 183
Net Weight	RS-612: Approx. 917g · RS-614: Approx. 1780g



UF-31 Handheld Microphone

UT-51 Bodypack Transmitter

Features : UF-31

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * SYNC function for quickly channel setting.
- * LED shows power status.

Features : UT-51

- * SYNC function for quickly channel setting.
- * Gain settings for different audio input sources.
- * Convenient mute switch function.

Specifications : UF-31 / UT-51

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	Handheld: LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-51: 0dB / -10dB / -20dB
Mic Unit	UF-31: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-51: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm)WxHxD	UF-31: 260 x 51Ø UT-51: 65 x 97 x 25
Net Weight	UF-31: Approx. 240g UT-51: Approx. 86g

VOCAL



LAVALIER



HEADSET



GUITAR



INSTRUMENT



19" RACK



MASCOT



RS-21B High Sensitivity Dual Channel Receiver

RS-22B High Sensitivity Dual Channel Receiver

Features : RS-21B / RS-22B

- * Clearly channel LED display.
- * 8 selectable channel for easy setup and deliver good sound quality.
- * High signal/noise ratio performance.
- * Unbalanced 1/4" jack outputs.
- * Adjustable squelch for minimizing external RF interference.
- * Easy to be installed into a standard 19" rack by rack kits.
- * Individual output volume control knob.
- * Mixing out switch to combine signal to one output.

Specifications : RS-21B / RS-22B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Display	7 Segment LED display shows channel
Preset Channel	8 channel
Oscillator	PLL Synthesized
Modulation	FM
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Image & Spurious Rejection	70dB minimum
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Power Supply	DC 12V
Audio Output	Unbalanced
Current Consumption	RS-21B: 250±10mA • RS-22B: 250±10mA
Case	RS-21B: Half 19" EIA Rack Metal Case • RS-22B: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	RS-21B: 200 x 42 x 183 • RS-22B: 400 x 42 x 183
Net Weight	RS-21B: Approx. 975g • RS-22B: Approx. 1740g



UF-21B Handheld Microphone

UT-16B Bodypack Transmitter

Features : UF-21B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * The 7-segment LED display shows the current operating channel.

Features : UT-16B

- * Gain setting for different audio input sources.
- * The 7-segment LED display shows the current operating channel.
- * 2 AA batteries offer a long time operation.
- * Convenient mute switch function.

Specifications : UF-21B / UT-16B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Button select
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 10dB / 0dB / -10dB
Mic Unit	UF-21B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-16B: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-21B: 260 x 51Ø UT-16B: 65 x 97 x 24
Net Weight	UF-21B: Approx. 240g UT-16B: Approx. 84g

VOCAL



LAVALIER



HEADSET



GUITAR



INSTRUMENT



DUAL RECEIVER



MASCOT

Wired Microphone

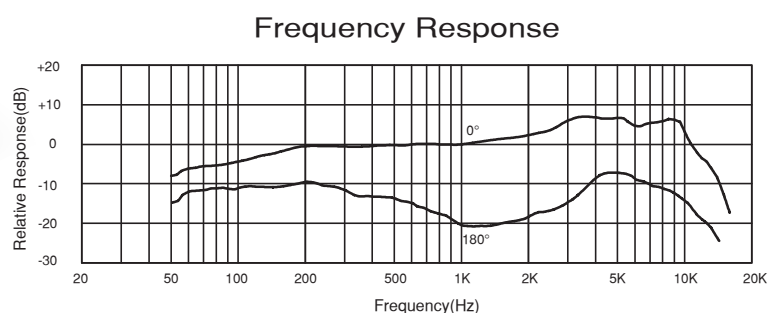
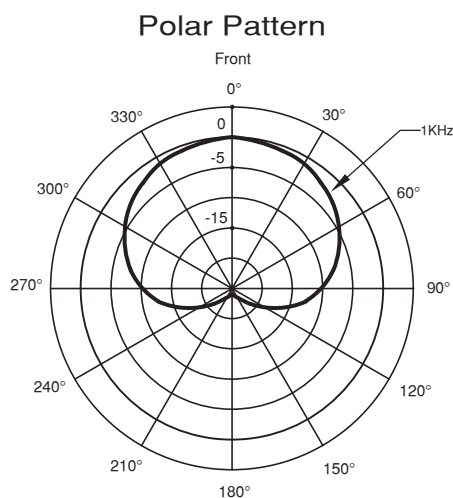
MASCOT
UM-93

ON

- A** ttractive of sounds created by Mascot exclusive dynamic capsule.
- M** etal mesh microphone grille protects from physical harm.
- A** multi-purpose microphone.
- Z** inc alloy perfection body tube brings an excellent texture.
- I** deally by using low-impedance microphones and cable with no serious losses of any kind.
- N** oteworthy the wired microphone strong returns.
- G** rille head is strong, sturdy and not easily deformed.



μ 93A cardioid dynamic capsule
MAX SPL : 140 dB
(THD < 1% KHz)



UM-93

Features

- * Plug and use.
- * 3pin XLR with 5M high quality audio cable with 6.3mm plug.
- * Features the MASCOT μ 93A dynamic capsule brings the reproduction of sound with high fidelity and avoiding handling noise.
- * Upper smooth texture metal housing fits well in the hand.

Specifications

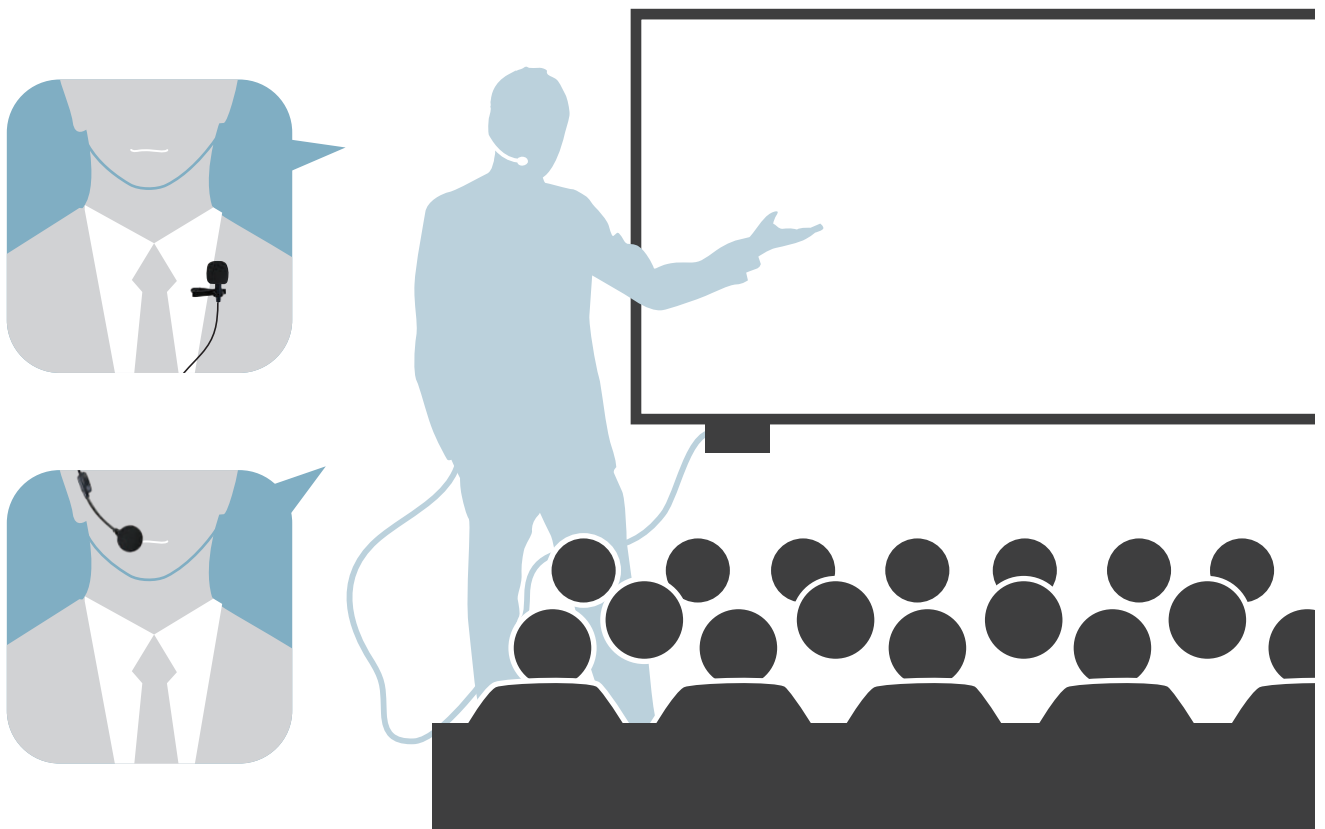
Sensitivity	-51dB \pm 3dB (0dB=1V/Pa at 1KHz)
Frequency Range	100Hz ~ 10KHz
Directionality	Uni-directional
Impedance	300 ohm \pm 30% (at 1KHz)
Weight	Approx. 250g
Dimension(mm)	172 x 52 \varnothing



MASCOT

DPA-316 device : Teacher's little helper

- ♦ Easy to carry.
- ♦ No more sore throat and hoarse.
- ♦ Easy installation and operation.
- ♦ Multi-compatible with :
Lavalier, headset and instrument microphone.
- ♦ Multi-applications :
Lecture, speech, peddle, and instrument performance.



Phantom Power Cable Kit

The ideal, convenient device and most widely used as a power source for condenser microphones.



HM-6 PPS

HM-11 PPS

LAV-6A PPS

LAV-206 PPS

SM-11 PPS



DPA-316

Features

- * Plug and use.
- * 3.5mm screw socket, compatible with lavalier microphone, headset microphone or instrument microphone.
- * It can be connected with amplifier, mixer, loudspeakers, etc.
- * Using one 1.5V AA battery to supply the power to the connected electret condenser microphone.
- * 5M high quality audio cable with 6.3mm plug.

Specifications

Type	Phantom Power Cable Kit
Power Supply	1 x AA battery, 1.5V
Battery Operation	About 4,000 hours of continuous use
Socket	3.5mm Jack Socket
Cable	5M Cable with 6.3mm Plug
Assortment	Headset Mic Lavalier Mic Instrument Mic





UR-01



UR-01 Single-Channel Receiver Module

Features : UR-01

- * AF/RF LED clearly indicate reception status.
- * Clearly group and channel LED display.
- * Single button scan function.
- * Preset 4 frequency group containing 8 channel each.

Specifications : UR-01

Receiving Mode	Non-diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	4 group: 8 compatible channel in each group
Modulation/Oscillator	PLL Synthesized
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Receiving Sensitivity	At 5μV over 70dB S/N ratio
IF Frequency	1st: 243.95MHz 2nd: 10.7MHz
Tone Signal	32.768KHz
Current Consumption	145±10mA
Dimension(mm) WxHxD	73 x 36.5 x 117.5



UF-62B



UT-61



UF-62B Handheld Microphone

UT-61 Bodypack Transmitter

Features : UF-62B

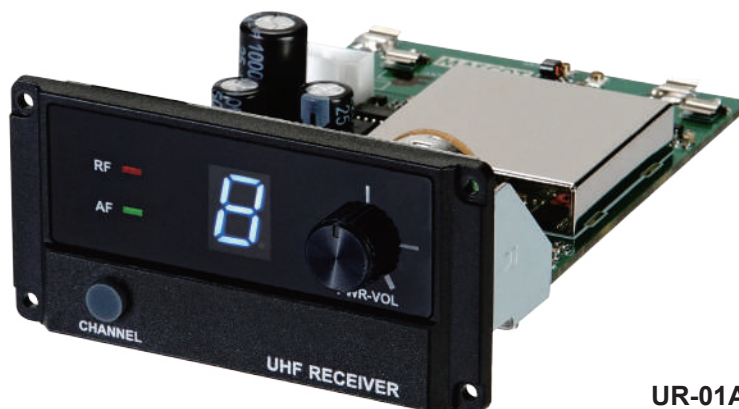
- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * SYNC function for quickly channel setting.
- * LCD shows group, channel and battery life.

Features : UT-61

- * LCD features group, channel and battery life.
- * Gain settings for different audio input sources.
- * SYNC function for quickly channel setting.
- * Convenient mute switch function.

Specifications : UF-62B / UT-61

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	LCD shows group, channel and battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	>60dB below carrier frequency
Gain Setting	UT-61: 0dB / -10dB / -20dB
Mic Unit	UF-62B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm)WxHxD	UF-62B: 258 x 51Ø UT-61: 65 x 97 x 25
Net Weight	UF-62B: Approx. 263g UT-61: Approx. 86g



UR-01A



UR-01A Single-Channel Diversity Receiver Module

Features : UR-01A

- * Diversity transmission range: up to 60 meters / 200 feet.
- * Preset 8 channel for easy operation.
- * AF/Rf LED shows the reception status.

Specifications : UR-01A

Receiving Mode	Diversity
Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	8 channel
Modulation/Oscillator	PLL Synthesized
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz ~ 18KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Receiving Sensitivity	At 5μV over 70dB S/N ratio
Tone Signal	32.768KHz
Current Consumption	145±10mA
Dimension(mm) WxHxD	73 x 36.5 x 105



UF-21B



UT-16B



UF-21B Handheld Microphone

UT-16B Bodypack Transmitter

Features : UF-21B

- * Features the MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Optional condenser capsule unit delivers delicate and clean voice in high frequency, and is suitable for high voice range performance.
- * The 7-segment LED display shows the current operating channel.

Features : UT-16B

- * Gain setting for different audio input sources.
- * The 7-segment LED display shows the current operating channel.
- * 2 AA batteries offer a long time operation.
- * Convenient mute switch function.

Specifications : UF-21B / UT-16B

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Channel Select	Button select
Display	LED shows the battery life
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-16B: 10dB / 0dB / -10dB
Mic Unit	UF-21B: Uni-Direction dynamic unit Uni-Direction electret condenser unit UT-16B: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC 3V (1.5V x 2AA)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-21B: 260 x 51Ø UT-16B: 65 x 97 x 24
Net Weight	UF-21B: Approx. 240g UT-16B: Approx. 84g

MASCOT



DR-024



DR-024 Single-Channel Diversity Receiver Module

Features : DR-024

- * Diversity transmission range: up to 50 meters.
- * Preset 8 channel for easy operation.
- * AF/RF LED shows the reception status.

Specifications : DR-024

Receiving Mode	Diversity
Frequency Range	ISM 2,400 ~ 2,483 MHz
Preset Channel	8 channel
Modulation	FSK digital modulation
Audio Sampling	24 bit / 48 KHz
S/N Ratio	> 100dB
AF Response	50Hz ~ 20KHz
T.H.D.	< 1% (at 1KHz)
Dynamic Range	> 100dB
Latency	< 5 ms
Current Consumption	165±10mA
Dimension(mm) WxHxD	73 x 36.5 x 115



DF-024



DB-024



DF-024 Handheld Microphone

DB-024 Bodypack Transmitter

Features : DF-024

- * Features with MASCOT dynamic capsule for sweet sound and avoiding handling noise.
- * Pair function for quickly channel setting.
- * Talk switch for easy operation.

Features : DB-024

- * Pair function for quickly channel setting.
- * Gain settings for different audio input sources.
- * Convenient mute switch function.

Specifications : DF-024 / DB-024

Frequency Range	ISM 2,400 ~ 2,483 MHz
Channel Select	Pair with receiver
Display	LED shows the battery status
RF Power Output	10mW
Transmitting Mode	Frequency hopping
Gain Setting	DB-024: 0dB / -10dB / -20dB
Current Consumption	180±10mA
Battery	DC 3V (1.5V 2AA batteries)
Battery Life	Minimum 6 hours of operation with fully charged (depending on the battery quality)
Dimension(mm) WxHxD	DF-024: 264 x 51Ø DB-024: 68 x 85 x 25
Net Weight	DF-024: Approx. 248g DB-024: Approx. 92g



LAV-6A

LAV-6A

Features

- * Featuring clear and clean sound for various presentation applications.
- * Wide frequency response for a true nature sound reproduction.
- * Low handling noise and good sensitivity.
- * Compatible with body-pack transmitter.

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	5V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>55dB
Dimension(mm)	12 Ø x 37
Standard Accessories	Wind Screen & Clip
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



LAV-7A

LAV-7A

Features

- * Featuring clear and clean sound for various presentation applications.
- * Wide frequency response for a true nature sound reproduction.
- * Low handling noise and good sensitivity.
- * Compatible with body-pack transmitter.

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	5V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>55dB
Dimension(mm)	13 Ø x 38
Standard Accessories	Wind Screen & Clip
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug





LAV-204

LAV-204

Features

- * Pick-up the sound very clearly, even the capsule unit is far away from the sound source.
- * Eliminate the breathing noise and has very good sensitivity.
- * Smaller and light design lets user wearing more comfortable.
- * Compatible with body-pack transmitter.

Specifications

Type	Omni-Directional Electret Condenser
Sensitivity	-42±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	10V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>58dB
Dimension(mm)	5.7 Ø x 16.5
Standard Accessories	Wind Screen & Clip
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



LAV-206

LAV-206

Features

- * Pick-up the sound very clearly, even the capsule unit is far away from the sound source.
- * Eliminate the breathing noise and has very good sensitivity.
- * Smaller and light design lets user wearing more comfortable.
- * Compatible with body-pack transmitter.

Specifications

Type	Omni-Directional Electret Condenser
Sensitivity	-43±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	10V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>58dB
Dimension(mm)	8.6 Ø x 22
Standard Accessories	Wind Screen & Clip
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



MASCOT



Beyond your imagination!

MASCOT HMT-1 Headset system is a wireless microphone solution designed to meet the specific demands of fitness, aerobics and dance instructors. Besides, it designed with sweat-resistant construction to protect the mic capsule.

The Headset transmitter is mounted directly on the headset and its pretty light, it can let you move unrestricted by the wired/cables.

It also makes yourself free completely from cables and beltpacks for an excitement and a motivating experience.



HMT-1



HMT-1

Features

- * Clear and nature frequency response for perfect sound performance.
- * 4 hour battery life, USB 2.0 charging.
- * An ergonomic headworn design fits securely and comfortably for fitness and aerobics instructors.
- * IPX4 Water resistance construction, the microphone is able to bear the sweat.

Specifications

Frequency Range	UHF 520 ~ 937.5 MHz (Regionally Selected)
Preset Channel	8 channel
Channel Select	Button select
Display	LED shows the channel
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Sensitivity	-47±3dB
S/N Ratio	> 55dB
Water Resistance	IPX4
Battery	310mAh Lithium battery
Dimension(mm) WxHxD	270 x 140 x 70
Net Weight	Approx. 47.5g



Microphone **Specialty** · Meet your expectation

MASCOT HM-13 is a stable and flexible design, easy to place over on ears; it can let you freely perform in an exaggerated way. It comes with an omnidirectional condenser headset microphone and the connector is 3pin Mini XLR as standard but locking 3.5mm jack plug as optional.



Ultra lightweight

- ♦ Capsule at Ø4, Subminiature Omnidirectional
- ♦ Ultra - Lightweight, 39g only
- ♦ Multi-applications :
Conference, Lecturing, Peddle, Preach and Stage performance



HM-13

Features

- * Ultra lightweight, comfortable, flexible design is stable and easy to place over on ears.
- * Subminiature omnidirectional cartridge offers nicer pick up sound and superior clarity voice.
- * Hands-free operation brings convenience.

Specifications

Type	Omni-Directional Electret Condenser
Sensitivity	-42±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	10V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>58dB
Standard Accessories	Wind Screen
Connector	3pin Mini XLR TA3F Female Connector 3.5Ø screw plug



HM-13



HM-11

HM-11

Features

- * Design with the lightweight wireframe for long time operation.
- * Clear and nature frequency response for perfect sound performance.
- * Ideally provide isolation from external unwanted sound source and high gain-before-feedback.
- * For professional user.

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	5V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>55dB
Standard Accessories	Wind Screen
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



HM-7

HM-7

Features

- * Lightweight wireframe and elastic headband adjust for a secure and comfort fit.
- * Delivers high sound quality with hand-free operation.
- * Sweat resistant and shockproof construction eliminated the handing or shaking noise.

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	5V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>55dB
Standard Accessories	Wind Screen
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



HM-6

HM-6

Features

- * Design with the lightweight wireframe for long time operation.
- * Delivers high sound quality with hand-free operations.
- * Suitable for vocal application where comfort and reliability are required.

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-49±4dB
Frequency Range	100 ~ 20,000Hz
Max. Operation Voltage	10V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Standard Accessories	Wind Screen
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



MASCOT SM-11 is a professional recording microphone with small diaphragm condenser microphone, and being a wired mic, it is reliable and consistent in its performance. Additionally, its pickup sensitivity is high and the sound is clear.

Extremely rugged with adjustable gooseneck is an ideal design for wind instruments applications.

SM-11

Features

- * Adjustable clip and gooseneck can pick-up sound source in properly position.
- * Wide-range frequency response provides the powerful, smooth and clean sound.
- * Low distortion at high sound pressure occasions.



SM-11

Specifications

Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V DC
Current Consumption	Max. 0.5mA
S/N Ratio	>55dB
Dimension(mm)	12 Ø x 37
Standard Accessories	Wind Screen
Connector	3pin Mini XLR TA3F Female Connector 4pin Mini XLR TA4F Female Connector 3.5Ø screw plug



AU-9A

AU-9A Log Antenna

Features

- * UHF wideband (500 MHz ~ 1GHz) frequency range.
- * It can be used as a transmitting or receiving antenna for detachable antenna wireless microphone system or in-ear monitoring system.
- * With 4 ~ 6dBi gain is suitable for various application required specific directionality.
- * Adjustable connector design allows it to be mounted on a microphone stand, wall or suspended from the ceiling.
- * Must go with AB-1 or AB-8A.

Specifications

Pick-up Pattern	Uni-Directional
Open Angle	$\pm 50^\circ$
Frequency Range	500MHz ~ 1GHz
Front/Back Ratio	$\geq 18\text{dB}$
Antenna Gain	5.5dBi
Wave Impedance	50 Ω
RF Connector	BNC
Stand Adapter	5/8" x 27 brass thread
Overall Dimensions(mm) WxHxD	273.3 x 273 x 26
Weight	310g



AB-1

AB-1 Antenna Booster

Features

- * Compatible with AU-9A Log Antenna.
- * It can enhance the receiving sensitivity and compensate the signal loss from extend coaxial cable transmission.
- * Powered by receiver or antenna divider.
- * Optional for different frequency band, or full range frequency band.

Specifications

Frequency Range	500MHz ~ 1GHz
Gain Range	15dB \pm 1dB
Impedance	50 Ω
Selectable Gain	0dB (passive) / -6dB
Power Supply	DC12V / 60mA
Overall Dimensions(mm) WxHxD	65 x 40 x 15



AB-8A

AB-8A Antenna Booster

Features

- * Enhancing the receiving sensitivity and stability on application.
- * RF amplifier can compensate for the RF signal losses extension cable up to 9dB.
- * BNC type connector.

Specifications

Frequency Range	500MHz ~ 1GHz
Gain Range	9dB \pm 1dB
Impedance	50 Ω
Power Supply	DC8V
Overall Dimensions(mm) WxHxD	80 x 26 x 26



AD-214

AD-214 Antenna Divider

Features

- * Efficient use on managing multiple antenna into a pair of antennas.
- * 4 pairs of antenna RF output are located at rear panel.
- * Built-in RF amplifier can compensate the signal split losses.
- * Supply DC power up to 4 receivers.
- * BNC type connector.

Specifications

Frequency Range	500MHz ~ 1GHz
Gain Range	3dB \pm 0.5dB
Input Impedance	50 Ω
Output Impedance	50 Ω
Power Input	DC12 ~ 18V, 5A Switching Power Supply, 1DC Input, 4DC Output
RF Output Terminal	2 RF Inputs and 2 RF Outputs divided into 8 RF Outputs
Antenna DC Output	DC 12V (120mA) for EA antenna booster connection
RF connector	BNC Female Type
Overall Dimensions(mm)	420 x 180 x 44
WxHxD	



AS-1

AS-1 Antenna Splitter

Features

- * Split one incoming signal into two outgoing signals.
- * It also can combine two incoming signals into one outgoing signal.
- * BNC type connector.

Specifications

Frequency Range	500MHz ~ 1GHz
Input Impedance	50 Ω
Isolation	12dB
Loss	< 4.5dB
RF connector	BNC Female Type
Overall Dimensions(mm)	40 x 32 x 28
WxHxD	



AH-2

AH-2 Antenna Holder

Features

- * The wall-mountable antenna holder makes the AU-9A easily be connected to the receiver, which can be installed on the wall for indoor use.
- * Compatible with AU-9A.

Specifications

Screw Adapter	5/8" Female Type
Overall Dimensions(mm)	80 x 26 x 26
WxHxD	



AH-1

AH-1 Antenna Holder

Features

- * Easily assembled on the microphone stand or mounted on the wall.
- * Compatible with AB-8A.

Specifications

Screw Adapter	5/8" Female Type
Overall Dimensions(mm) WxHxD	80 x 26 x 26



BB-50/BB-100/BB-1000

BB-50/BB-100/BB-1000

Extension Cable

Features

- * Extension cable with BNC male connector for connection with receiver to booster, splitter or divider.
- * Customized extension cable in different length is also available.

Specifications

Cable	RG58A / U
Length	BB-50: 50cm BB-100: 100cm BB-1000: 10M



AB-8C

AB-8C

Ceiling Mounted Antenna Booster

Features

- * Invisible design and easily to be fixed directly to the ceiling.
- * Built-in 9dB gain is suitable for installations required to extend the operating range, like supermarket or shopping center.

Specifications

Frequency Range	500MHz ~ 1GHz
Gain Range	9dB \pm 1dB
Antenna Impedance	50 Ω
Max. Ceiling Thickness	15mm
Mounting Hole \varnothing	38mm
Connector	BNC
Input Voltage	8V DC 80mA (via coaxial cable)

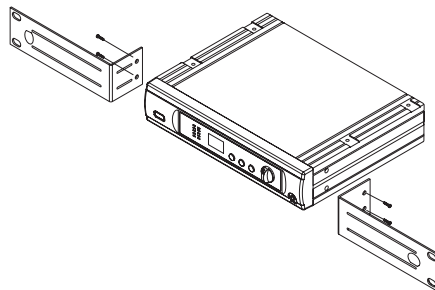
L3 Long L Type Metal Rack

Features

* 2 pieces L3 to mount a 1/2 rack size receivers in a 19" rack.



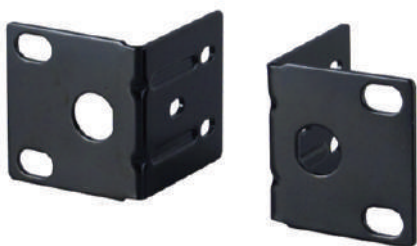
L3



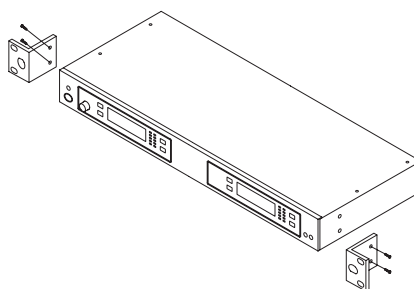
L4 Short L Type Metal Rack

Features

* 2 pieces L4 to mount a 19" rack size receivers in a 19" rack.



L4



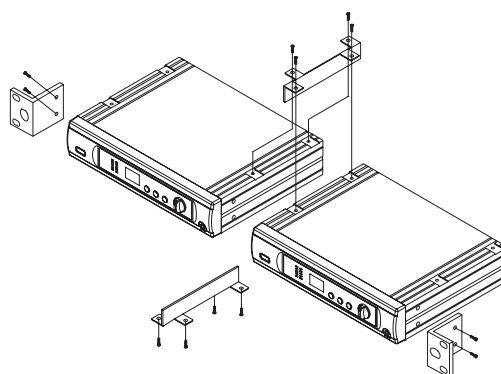
C2 Connecting Plate

Features

* 2 pieces L4 with 2 pieces C2 can combine two 1/2 rack size receivers in a 19" rack.



C2





CB-401

CB-401 Guitar Cable

Features

- * 3.5Ø screw type plug / 6.3Ø plug.
- * Bodypack transmitter to guitar, instruments or other recording equipment.



CB-402

CB-402 Guitar Cable

Features

- * 3pin mini XLR TA3F Female connector / 6.3Ø plug.
- * Bodypack transmitter to guitar, instruments or other recording equipment.



CB-402M

CB-402M Guitar Cable

Features

- * 3pin mini XLR TA3F Female connector / 6.3Ø metal plug.
- * Bodypack transmitter to guitar, instruments or other recording equipment.



H-12

H-12 Microphone Holder

Features

- * Suitable for handheld microphone.



PE

PE Carry Case

Features

- * Convenient and durable case.
- * Suitable for package of a half 19" wireless microphone set.

Keep Enhancing!



MADE IN TAIWAN



Keep Enhancing

MASCOT

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