

MASCOT

WIRELESS MICROPHONE SYSTEM



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The Passion of Perfect Sound Since 1979
Win Your Freedom with MASCOT Wireless Microphones



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UF-61 Handheld Microphone

UT-61 Bodypack Transmitter

RS-61 / RS-66 03

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UXD-100 True Diversity Receiver

UXD-200 True Diversity Dual Channel Receiver



Features

- True diversity transmission range: up to 100 meter / 300 feet.
- Clear VA LCD display of frequency, group, channel and AF/RF levels.
- 700 available UHF frequency channels.
- Channel auto scan function.
- Up to 8 systems can be used simultaneously.
- Preset 4 frequency group containing 8 channels each.
- The SQ control dial for adjusting the noise floor level.
- MIC/LINE function for adjusting the audio output level.
- Detachable receiver antennas for using of professional antenna systems.
- Balanced XLR and unbalanced 1/4" jack outputs.
- Easy to be installed into a standard 19" rack by rack ears.

UXD-100 / UXD-200 RECEIVER	
Receiving Mode	True Diversity
Frequency Range	UHF520~937.5MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	4 Group: 8 compatible channels in each group
Oscillator	PLL Synthesized
S/N Ratio	>100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz to 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	DC12V
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



UHF PROFESSIONAL WIRELESS MICROPHONE SYSTEM

UF-61 Handheld Microphone
UT-61 Bodypack Transmitter



UF-61
UF-61 m



UT-61

UF-61 / UT-61 TRANSMITTER	
Frequency Range	UHF520~937.5MHz (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-61: Uni-Direction dynamic unit µ93 Uni-Direction electret condenser unit VC-7 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC3V (1.5V x 2 AA batteries)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-61: 260 x 51Ø UT-61: 65 x 97 x 25
Net Weight	UF-61: Approx. 240g UF-61m: Approx. 345g UT-61: Approx. 86g

Features UF-61

- Features the MASCOT µ93 dynamic capsule for sweet sound and avoiding handling noise.
- Optional VC-7 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.
- Talk switch for easy operation.
- UF-61m: 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.



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RS-61 Diversity Receiver

RS-66 Diversity Dual Channel Receiver



Features

- Diversity transmission range: up to 60 meter / 190 feet.
- Clear VA LCD display of frequency, group, channel and AF/RF levels.
- 700 available UHF frequency channel.
- Single button scan function.
- Preset 4 frequency group containing 8 channels each.
- Up to 8 systems can be used simultaneously.
- Detachable receiver antennas for using of professional antenna systems.
- Balanced XLR and unbalanced 1/4" jack outputs.
- Easy to be installed into a standard 19" rack by rack ears.

RS-61 / RS-66 RECEIVER	
Receiving Mode	Diversity
Frequency Range	UHF520~937.5MHz (Regionally Selected)
Display	VA LCD displays frequency, group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	4 Group: 8 compatible channels in each group
Oscillator	PLL Synthesized
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz to 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
Audio Output	Balance & Unbalanced
Power Supply	DC12V
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 122
Net Weight	RS-61: Approx. 639g RS-66: Approx. 1480g



UHF PROFESSIONAL WIRELESS MICROPHONE SYSTEM

UF-61 Handheld Microphone
UT-61 Bodypack Transmitter



UF-61
UF-61 m



UT-61

UF-61 / UT-61 TRANSMITTER	
Frequency Range	UHF520~937.5MHz (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-61: Uni-Direction dynamic unit µ93 Uni-Direction electret condenser unit VC-7 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC3V (1.5V x 2 AA batteries)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-61: 260 x 51Ø UT-61: 65 x 97 x 25
Net Weight	UF-61: Approx. 240g UF-61m: Approx. 345g UT-61: Approx. 86g

Features UF-61

- Features the MASCOT µ93 dynamic capsule for sweet sound and avoiding handling noise.
- Optional VC-7 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.
- Talk switch for easy operation.
- UF-61m: 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.



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RS-612 Diversity Dual Channel Receiver

RS-614 Diversity Four Channel Receiver



Features

- Diversity transmission range: up to 60 meter/ 190 feet
- Clear VA LCD display panel, user-friendly interface.
- 700 available UHF frequency channel.
- Auto scan and preset function.
- Preset 4 frequency group containing 8 channels each.
- Easy wireless synchronization between transmitter and receiver.
- Individual output volume control knob.
- 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.
- With fixed cable clamp, protect the cord plug from being loosen.

RS-612 / RS-614 Receiver	
Receiving Mode	Diversity
Frequency Range	UHF520 ~ 937.5MHz (Regionally Selected)
Display	VA LCD displays group, channel, RF & AF levels, scan, preset, SYNC
Preset Channel	4 Group: 8 compatible channels in each group
Oscillator	PLL Synthesized
S/N Ratio	> 100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz to 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
Audio Output	Balance & Unbalanced
Power Supply	DC12V
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



UHF PROFESSIONAL WIRELESS MICROPHONE SYSTEM

UF-62 Handheld Microphone
UT-61 Bodypack Transmitter



UF-62



UT-61

UF-62 / UT-61 TRANSMITTER	
Frequency Range	UHF520~937.5MHz (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-62: Uni-Direction dynamic unit µ93 Uni-Direction electret condenser unit VC-7 UT-61: Headset Mic / Lavalier Mic / Instrument Mic
Battery	DC3V (1.5V x 2 AA batteries)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-62: 243 x 51Ø UT-61: 65 x 97 x 25
Net Weight	UF-62: Approx. 240g UT-61: Approx. 86g

Features UF-62

- Features the MASCOT µ93 dynamic capsule for sweet sound and avoiding handling noise.
- Optional VC-7 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.
- Talk switch for easy operation.

Features UT-61

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



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RS-51 Diversity Receiver

RS-55 Diversity Dual Channel Receiver



Features

- Diversity transmission range: up to 60 meter / 190 feet.
- Clearly group and channel LED display.
- Single button scan function.
- Preset 4 frequency group containing 8 channels each.
- Up to 8 systems can be used simultaneously.
- Lightweight and front antenna design for all occasions.
- Balanced XLR and unbalanced 1/4" jack outputs.
- Easy to be installed into a standard 19" rack by rack ears.

RS-51 / RS-55 RECEIVER	
Receiving Mode	Diversity
Frequency Range	UHF520~937.5MHz (Regionally Selected)
Display	LED indicated group and channel
Preset Channel	4 Group: 8 compatible channels in each group
Oscillator	PLL Synthesized
S/N Ratio	>100dB, at 20KHz deviation and 60dBμV antenna input
AF Response	50Hz to 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
Audio Output	Balance & Unbalanced
Power Supply	DC12V
Current Consumption	RS-51: 150±10mA RS-55: 350±10mA
Case	RS-51: Half 19" EIA Rack Case RS-55: 19" EIA Rack Metal Case
Dimension(mm) WxHxD	RS-51: 200 x 42 x 122 RS-55: 400 x 42 x 183
Net Weight	RS-51: Approx. 365g RS-55: Approx. 1445g



UHF PROFESSIONAL WIRELESS MICROPHONE SYSTEM

UF-52 Handheld Microphone
UT-51 Bodypack Transmitter



UF-52



UT-51

UF-52 / UT-51 TRANSMITTER	
Frequency Range	UHF520~937.5MHz (Regionally Selected)
Channel Select	SYNC with receiver
Display	LED shows the battery status
RF Power Output	10mW (max.)
Frequency Stability	±0.005%
Spurious Emission	> 60dB below carrier frequency
Gain Setting	UT-51: 0dB / -10dB / -20dB
Battery	DC3V (1.5V x 2 AA batteries)
Current Consumption	120±10mA
Dimension(mm) WxHxD	UF-52: 243 x 51Ø UT-51: 65 x 97 x 25
Net Weight	UF-52: Approx. 240g UT-51: Approx. 84g

Features UF-52

- Features the MASCOT µ93 dynamic capsule for sweet sound and avoiding handling noise.
- Optional VC-3 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.
- Talk switch for easy operation.

Features UT-51

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

GUITAR	INSTRUMENT	DUAL RECEIVER

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Headset Microphone

The high quality condenser headset microphone are suitable for active microphone users.



HM-6

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

HM-6	
Type	Uni-Directional Electret Condenser
Sensitivity	-47±4dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	10V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug



HM-7

- 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.

HM-7	
Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug



HM-11

- 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.

HM-11	
Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug

Capsule Options

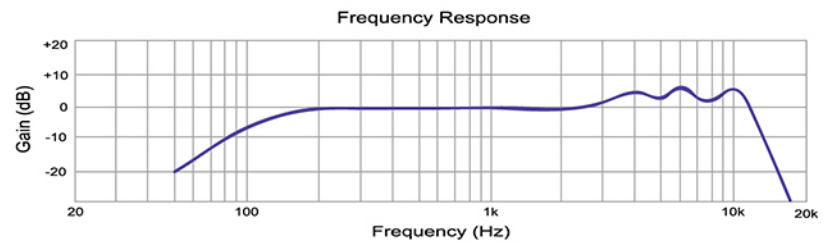
Uni-directional capsule features high sensitivity and wide frequency response for sweet and natural sound.



µ93 Module

Dynamic Capsule µ93 Module

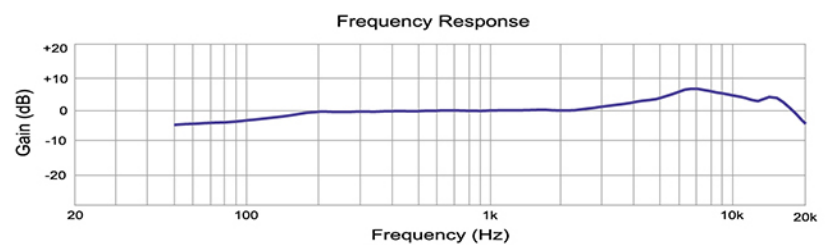
- The u93 vocal microphone offers an impact response for activated sound.



VC-7 Module

Condenser Capsule VC-7 Module

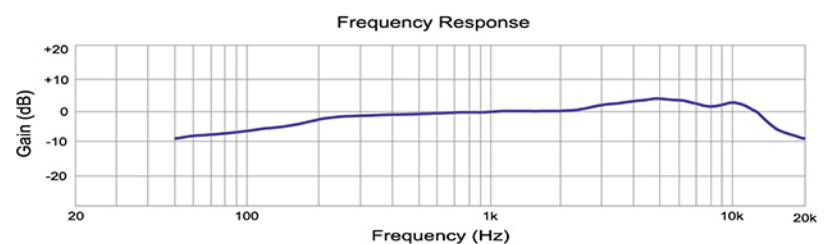
- The VC-7 vocal microphone features a transparency, accurred sound.



VC-3 Module

Condenser Capsule VC-3 Module

- The VC-3 Vocal microphone features a warm and clear sound.



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Lavalier Microphone

Low-visible miniature lavalier microphones are optimized for speech and vocal applications. Compatible with all kinds of Mascot Bodypack transmitters.



LAV-6

- Featuring clear and clean sound for various presentation applications.
- Low handling noise and good sensitivity.
- Compatible with body-pack transmitter.

LAV-6	
Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Dimension (mm) WxHxD	13Φ x 37
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug



LAV-6A

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

LAV-11	
Type	Uni-Directional Electret Condenser
Sensitivity	-47±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Dimension (mm) WxHxD	12Φ x 37
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug



LAV-206

- 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.

LAV-206	
Type	Omni-Directional Electret Condenser
Sensitivity	-43±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	10V
Standard Operation Voltage	3V
Current Consumption	Max. 0.5mA
S/N Ratio	> 58dB
Dimension (mm) WxHxD	8.6Φ x 22
Standard Accessories	Wind Screen
Connector	3 pin Mini XLR TA3F Female Connector 4 pin Mini XLR TA4F Female Connector 3.5Φ screw plug

Instrument Microphone

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



SM-11

- 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.

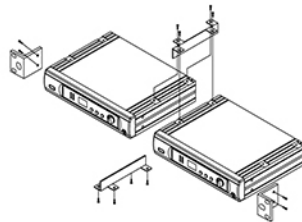
SM-11	
Type	Uni-Directional Electret Condenser
Sensitivity	-43±3dB
Frequency Range	100~20,000Hz
Max. Operation Voltage	5V
Standard Operation Voltage	1.5V
Current Consumption	Max. 0.5mA
S/N Ratio	>60dB
Dimension (mm) WxHxD	12Φ x 37
Standard Accessories	Wind Screen



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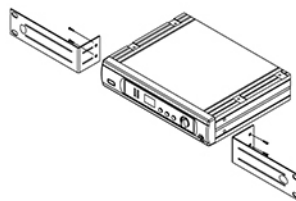
Accessories

We offer a series of accessories for optional purchase.



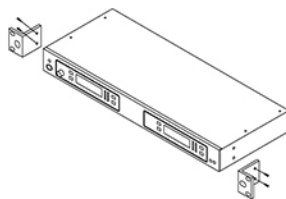
C2 Connecting Plate

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



L3 Long L Type Metal Rack

- 2 pieces L3 to mount a 1/2-rack size receiver in a 19" rack.



L4 Short L Type Metal Rack

- 2 pieces L4 to mount a rack size receiver in a 19" rack.



PE Carry Case

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



CB-401 Guitar Cable

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



CB-402 Guitar Cable

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



CB-402(M) Guitar Cable

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



H-12 Microphone Holder

- Suitable for handheld microphone.

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