



U9000 & U8000 SERIES

U9000 SERIES



DRU9004



THU9000



TBU9000

U8000 SERIES



DRU8001



DRU8002



THU8000



TBU8000

UHF Wireless Microphone System

ENG / DATA SHEET

MADE IN TAIWAN

U9000 & U8000 SERIES

UHF Wireless Microphone System

DESCRIPTION

The **U9000 system** is our newest generation of quad multi-channel wireless technology, designed for professional applications and anybody requiring high performances in minimum space with scalability, reliability and easy to install. The new **U8000 system**, available in a single or dual channels version, is made to make your business life easier without forget performances and reliability.

U9000 SERIES

DRU9004

4-Channel Diversity UHF PLL Wideband Receiver

- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- RF output and mains voltage output for easily cascading up to 10 receivers without additional splitter
- REMOSET technology for receiver/transmitter synchronization
- Auto-scan function
- Pilot tone squelch and noise mute
- Backlit display for indicating the status
- Switchable mic/line for single outputs and mixed outputs
- Power supply for optional antenna booster
- 19" rack installation, 1 RU



THU9000

UHF PLL Hand-held Transmitter

- Condenser microphone cartridge (cardioid polar pattern)
- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- REMOSET technology for receiver/transmitter synchronization
- Adjustable sensitivity (± 15 dB)
- Lock function/mute function
- 4-level display for indicating battery status and low battery alert, backlit LCD
- Switchable transmitting power

TBU9000

UHF PLL Body-pack Transmitter

- Suitable for combination with microphones with 4-pin mini XLR connector
- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- REMOSET technology for receiver/transmitter synchronization
- Adjustable sensitivity (± 15 dB)
- Lock function
- 6-level display for indicating battery status and low battery alert, backlit LCD
- Switchable transmitting power



DRU8002

2-Channel Diversity UHF PLL Wideband Receiver

- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- Removable antennas (BNC connection)
- REMOSET technology for receiver/transmitter synchronization
- Auto-scan function
- Pilot tone squelch and noise mute
- Backlit display with status indications, e.g. group/channel, frequency, battery, antenna A/B, RF receiving level, AF audio level
- 2 x XLR output (bal.) and 2 x 6.3 mm jack output (unbal.)
- Power supply for optional antenna booster



DRU8001

4- Single Channel Diversity UHF PLL Wideband Receiver

- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- Removable antennas (BNC connection)
- REMOSET technology for receiver/transmitter synchronization
- Auto-scan function
- Pilot tone squelch and noise mute
- Backlit display with status indications, e.g. group/channel, antenna A/B, RF receiving level, AF audio level
- XLR output (bal.) and 6.3 mm jack output (unbal.)
- Power supply for optional antenna booster

THU8000

UHF PLL Hand-held Transmitter

- Dynamic microphone cartridge (cardioid polar pattern)
- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- REMOSET technology for receiver/transmitter synchronization
- Sensitivity adjustment (± 15 dB) and transmitting power (10/50 mW) can be configured via receiver
- Mute function
- Special design to reduce handling noise, structure-borne noise and acoustic feedback
- Low battery alert



TBU8000

UHF PLL Body-pack Transmitter

- Suitable for combination with microphones with 4-pin Mini XLR connector
- Bandwidth: 36 MHz
- 6 groups, each with up to 22 compatible preset channels
- REMOSET technology for receiver/transmitter synchronization
- Sensitivity (± 15 dB), additional 20 dB attenuation and transmitting power (10/50 mW) can be configured via receiver
- Lock function
- Mute function
- Low battery alert

Operating temperature	0°C to + 40°C
Net dimensions (WxH)	ø10.1 x 26.4mm ø0.39 x 1.03inch
Net weight	30 gr 0.066 lb



Operating temperature	0°C to + 40°C
Net dimensions (WxHxD)	285 x 55 x 111.3mm
	11.22 x 2.16 x 4.38inch
Net weight	60 gr
	0.132 lb



Support	Wall bracket or 16 mm (5/8") stand (excluded)
Net dimensions (WxHxD)	75 x 18.2 x 77mm 2.95 x 0.71 x 3.03inch
Net weight	180 gr 0.396 lb

TECHNICAL SPECIFICATIONS

Wideband Receiver

GENERAL	DRU9004	DRU8002	DRU8001
Code	45883	45874	45877
System	Diversity UHF PLL wideband receiver	Diversity UHF PLL wideband receiver	Diversity UHF PLL wideband receiver
Frequency range	654 - 690MHz	614 - 650MHz	614 - 650MHz
No. of channels	4	2	1

ACOUSTIC SPECIFICATIONS

Frequency Response	50Hz - 18kHz \pm 2dB	50Hz - 16kHz \pm 2dB	50Hz - 16kHz \pm 2dB
THD	< 0.5%@1KHz	< 0.6%@1KHz	< 0.6%@1KHz
Mirror rejection ratio	> 80dB	> 80dB	> 80dB
S/N	> 106dB(A)	> 105dB(A)	> 105dB(A)
Sensitivity	- 95dBm, S/N > 80dB	- 95dBm, S/N > 80dB	- 95dBm, S/N > 80dB
Audio Output Level	Ref: \pm 22.5KHz Dev@1KHz Tone \varnothing 6.3 Phone Jack: -10dBV XLR Jack: -4dBV(Line), -24dBV(MIC)	Ref: \pm 22.5KHz Dev@1KHz Tone \varnothing 6.3 Phone Jack: -10dBV XLR Jack: -4dBV(Line), -24dBV(MIC)	Ref: \pm 22.5KHz Dev@1KHz Tone \varnothing 6.3 Phone Jack: -10dBV XLR Jack: -4dBV(Line), -24dBV(MIC)
Audio Output Impedance	600 Ω	600 Ω	600 Ω

INPUTS & OUTPUTS

Audio Outputs	5 x balance XLR ports, 1 x unbalance \varnothing 6.3mm jack	2 x balance XLR ports, 2 x unbalance \varnothing 6.3mm jack	1 x balance XLR ports, 1 x unbalance \varnothing 6.3mm jack
Antenna IN/OUT	IN: 2 x BNC (+ DC 12 V/100mA); OUT: 2 x BNC	2 x BNC (+ DC 12 V/100mA)	2 x BNC (+ DC 12 V/100mA)
Functions	Group, channels, frequency, transmitter power, antenna A/B,mute, AF, RF, channel scan, output level, volume, Device ID	Group, channel, frequency, battery level, antenna A/B, muting level, AF indication, RF indication, channel scanning, output level attenuation, volume indication	Group, channel, frequency, battery level, antenna A/B, muting level, AF indication, RF indication, channel scanning, output level attenuation, volume indication
Controls	Power ON/OFF, groups, channels, frequency, receiving sensitivity, key lock, volume, output attenuation (XLR),channel scan (ON/OFF), antenna power, display setting	Power, group, channel, frequency, muting level, button lock, volume, output attenuation (XLR), channel scan (on/off)	Power, group, channel, frequency, muting level, button lock, volume, output attenuation (XLR), channel scan (on/off)

MECHANICAL SPECIFICATIONS

Power Supply	AC 110 - 240V, 50 / 60Hz	DC IN : 12 - 15V / 500mA	DC IN : 12 - 15V / 500mA
Operating Temperature	0°C to + 40°C	0°C to + 40°C	0°C to + 40°C
Colour	Black	Black	Black
Mounting	Stand-alone, 19"rack	Stand-alone	Stand-alone
Net dimensions (WxHxD)	485 x 44 x 230mm 19.09 x 1.73 x 9.05inch	212.3 x 38.3 x 144mm 8.35 x 1.5 x 5.66inch	212.3 x 38.3 x 144mm 8.35 x 1.5 x 5.66inch
Net weight	3 kg 6.61 lb	0.59 kg 1.30 lb	0.47 kg 1.03 lb

TECHNICAL SPECIFICATIONS

Hand-held Transmitter

GENERAL	THU9000	THU8000
Code	45884	45875
System	Diversity UHF PLL wideband transmitter	Diversity UHF PLL wideband transmitter
Frequency range	654 - 690MHz	614 - 650MHz
RF Transmitting power	10/50 mW	10/50 mW
RF Stability	< ±10kHz@Fc	< ±10kHz@Fc
Frequency Deviation	± 48kHz (peak)	± 48kHz (peak)
Spurious Emissions	< -50dBc	< -50dBc

ACOUSTIC SPECIFICATIONS

Frequency response (+/- 3dB)	50Hz - 18kHz	60Hz - 15kHz
Functions	Group, channels, frequency, mute, auto off, input level attenuation, sensitivity adjustment, power indication, device ID	Mute, auto power off, sensitivity Adjustment, low battery
Controls	Power, mute, groups, channels, frequency,sensitivity adjustment, input level attenuation,auto off, transmission power, key lock	Power, Mute

MICROPHONE SPECIFICATIONS

Type	Condenser - cardioid polar pattern	Dynamic - cardioid polar pattern
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MECHANICAL SPECIFICATIONS

Power Supply	UM3, AA x 2	UM3, AA x 2
Operating Time	≈ 20 h	≈ 30 h
Operating Temperature	0°C to +40°C	0°C to + 40°C
Colour	Black	Black
Material	Aluminium alloy	Plastic
Net dimensions (WxHxD)	ø50 x 269mm	ø51 x 269mm
	ø1.96 x 10.59inch	ø2.00 x 10.59inch
Net weight	0.25 kg	0.24 kg
	0.55 lb	0.52 lb

TECHNICAL SPECIFICATIONS

Body-pack Transmitter

GENERAL	TBU9000	TBU8000
Code	45885	45876
System	Diversity UHF PLL wideband transmitter	Diversity UHF PLL wideband transmitter
Frequency range	654 - 690MHz	614 - 650MHz
RF Transmitting power	10/50 mW	10/50 mW
RF Stability	< ±10kHz@Fc	< ±10kHz@Fc
Frequency Deviation	±48kHz (peak)	±48kHz (peak)
Spurious Emissions	< -50dBc	< -50dBc

ACOUSTIC SPECIFICATIONS

Frequency response (+/- 3dB)	50Hz - 18kHz	60Hz - 15kHz
Functions	Group, channels, frequency, mute, auto off, input levelattenuation, sensitivity adjustment, power indication,Device ID	Mute, Auto Power Off, Sensitivity Adjustment, Low Battery
Controls	Power, mute, groups, channels, frequency, sensitivityadjustment, input level attenuation, auto off, transmissionpower, key lock	Power, Mute

INPUTS & OUTPUTS

Inputs	4-pin Mini XLR	4-pin Mini XLR
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MECHANICAL SPECIFICATIONS

Power Supply	UM3, AA x 2	UM3, AA x 2
Operating Time	≈ 20 h	≈ 30 h
Operating Temperature	0°C to + 40°C	0°C to + 40°C
Colour	Black	Black
Material	Plastic	Plastic
Net dimensions (WxHxD)	62.3 x 97.5 x 20mm 2.45 x 3.81 x 0.78inch	62 x 97 x 20mm 2.44 x 3.81 x 0.78inch
Net weight	80 gr 0.176 lb	70 gr 0.154 lb



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