

U500[®] SERIES

UHF WIRELESS MICROPHONE SYSTEM

loving U!



We have developed the U500[®] series and incorporated some of your suggestions to provide sophisticated and affordable wireless systems that are tailored to suit the needs of professional users. Whether for voice, instruments or as a wireless conference system, sets from the U500[®] series will meet your expectations of quality sound, reliability and ease of operation.

- Professional wireless microphone and instrument systems
- Interchangeable dynamic and condenser microphone heads
- 100 meter transmission range and switchable output (2, 10 or 30 mW)
- Low energy consumption and high contrast OLED displays
- Distortion free sound thanks to precise gain control up to -27 dB
- Bodypack receivers with extended low end for bass guitars
- Automatic channel scan and easy one-touch infrared frequency sync
- Pilot tone squelch circuit prevents from broadband noise



U500® SERIES



INTERCHANGEABLE MIC HEADS

Tune your handheld transmitter with interchangeable microphone heads! Four screw-on dynamic and condenser capsules are available with cardioid or hypercardioid patterns to cover virtually all voice characteristics and applications.

WE DO THE HARD WORK

Automatic channel scanning allows quick and easy selection of interference-free radio frequencies. Receiver and transmitter are synced via infrared in a convenient one touch operation.

GAIN CONTROL

The handheld and bodypack transmitters feature a gain control putting level adjustment right at your fingertips. The screw-on dynamic and condenser microphone capsules are easily interchangeable.



PILOT TONE FOR NOISE-FREE OPERATION

Inaudible for the human ear a pilot tone is added to the transmitter signal. To prevent noise from interfering signals the receiver is automatically muted if it detects no pilot tone to prevent noise from interfering signals. Transmission power is switchable to 2, 10 or 30 mW.

ALL THE WAY ACROSS A FOOTBALL PITCH

With a line-of-sight operating range of more than 100 metres, U500 systems cover the length of a football pitch! The transmitter's very low current draw allows up to 10 hours of continuous operation with a pair of AA batteries.



OLED DISPLAY

U500® series components feature high-contrast OLED displays for easily readable status indication even under adverse conditions. Designed and engineered in Germany, U500 systems provide maximum performance and reliability.

READY TO GO

All U500® systems come with a rugged ABS transport case to hold and protect your wireless mic. Ready to go, ready to gig!



U500[®] SERIES

UHF WIRELESS MICROPHONE/INSTRUMENT SYSTEM



U5XX* HHC
WIRELESS MICROPHONE SYSTEM
WITH CONDENSER HANDHELD MICROPHONE



U5XX* BPH
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK AND BLACK HEADSET



U5XX* HHD
WIRELESS MICROPHONE SYSTEM
WITH DYNAMIC HANDHELD MICROPHONE



U5XX* BPHH
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK AND SKIN-COLOURED HEADSET



U5XX* BPL
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK AND LAVALIER MICROPHONE



U5XX* BPG
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK AND GUITAR CABLE



U5XX* BPW
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK AND BRASS INSTRUMENT MICROPHONE

U500® SERIES



U5XX* HHC2
WIRELESS MICROPHONE SYSTEM
WITH 2 X CONDENSER HANDHELD MICROPHONES



U5XX* HDD2
WIRELESS MICROPHONE SYSTEM
WITH 2 X DYNAMIC HANDHELD MICROPHONES



U5XX* BPH2
WIRELESS MICROPHONE SYSTEM
WITH 2 X BODYPACKS AND 2 X HEADSETS



U5XX* BPHH2
WIRELESS MICROPHONE SYSTEM
WITH 2 X BODYPACKS AND 2 X HEADSETS SKIN-COLOURED



U5XX* BPL2
WIRELESS MICROPHONE SYSTEM
WITH 2 X BODYPACKS AND 2 X LAVALIER MICROPHONE



U5XX* HBH2
WIRELESS MICROPHONE SYSTEM
WITH BODYPACK, HEADSET AND DYNAMIC HANDHELD MICROPHONE

*Replace the XX with the desired version underneath to choose your frequency band:

- U505 // 584 - 608 MHz // simultaneous operation of 12 systems
- U506 // 655 - 679 MHz // simultaneous operation of 12 systems
- U508 // 823 - 832 MHz + 863 - 865 MHz // simultaneous operation of 6 systems
- U518 // 1785 - 1800 MHz // simultaneous operation of 4 systems

U500[®] SERIES

COMPONENTS



U5XX* R

RECEIVER

SPECIFICATIONS RECEIVER:

Art.No.:	LDU5XXR
Product type:	Receiver
Channels:	96 (8 groups of 12 channels)
Antenna inputs:	2 x BNC
Frequency range:	30 - 16,000 Hz
Noise reduction:	squelch
THD:	< 0,1 %
Signal-to-noise ratio:	> 100dB
Audio output balanced / unbalanced:	XLR / 6.3 mm jack
Controls:	digital encoder, volume, Power On/Off
Indicators:	OLED Display
Operating voltage:	12 - 18 V DC, 12 V DC, 500 mA
Dimensions (W x H x D):	212 x 44 x 159 mm
Weight:	0.85 kg
Accessories (included):	power adapter, Audio cable, 2 x antenna



U5XX* R2

DOUBLE RECEIVER

SPECIFICATIONS DOUBLE RECEIVER:

Art.No.:	LDU5XXR2
Product type:	Receiver
Channels:	2 x 96 (8 groups of 12 channels)
Antenna inputs:	2 x BNC
Frequency range:	60 - 16,000 Hz
Noise reduction:	squelch
THD:	< 0,1 %
Signal-to-noise ratio:	> 105dB
Audio output balanced / unbalanced:	XLR / 6.3 mm jack
Controls:	digital encoder, volume, Power On/Off, volume headphones
Indicators:	2 x HF level A/B, 2 x multifunction LC display, 2 x audio level
Operating voltage:	12 - 18 V DC, 12 V DC, 500 mA
Dimensions (W x H x D):	483 x 45 x 190 mm
Weight:	2.05 kg
Accessories (included):	2 x antenna, power supply, batteries



U5XX* BP

BODYPACK TRANSMITTER

SPECIFICATIONS:

Art. No.:	LDU5XXBP
Product type:	Bodypack
Groups:	8
Inputs:	Mini-XLR (3-pin)
Frequency range:	30 - 16,000 Hz
Rated HF output power:	variable (2mW, 10mW, 30mW)
Controls:	menu, set, power on/off
Indicators:	OLED display
Operating voltage:	2 x AA battery
Operating time:	up to 10 h, depending on battery type
Dimensions (W x H x D):	65 x 86 x 23 mm
Weight:	0.09 kg
Other features:	Pilot tone squelch, switchable gain, detachable antenna, switchable RF power, switchable gain



U5XX* MC/MD

CONDENSER / DYNAMIC HANDHELD MICROPHONE

SPECIFICATIONS:

Art. No.:	LDU5XXMC/MD
Product type:	Handheld transmitter
Microphone type:	dynamic / condenser
Directivity:	cardioid / hypercardioid
Frequency range:	60 - 16,000 Hz
Rated HF output power:	2 mW, 10 mW, 30 mW
Controls:	power on/off, menu, set
Indicators:	OLED display
Operating voltage:	2 x 1.5 V AA
Operating time:	up to 10 h, depending on battery type
Length:	252 mm
Diameter:	52 mm
Weight:	0.25 kg
Other features:	pilot tone, switchable gain, switchable RF power, changeable capsule

U500® SERIES

ACCESSORIES



U500® GC
INSTRUMENT CABLE FOR U500 SERIES BODYPACK



U500® RK
RACKMOUNT KIT FOR U500 RECEIVER



U500® RK2
RACKMOUNT KIT FOR TWO U500 RECEIVERS



U500® CC
CARDIOID CONDENSER
MICROPHONE HEAD



U500® CH
HYPERCARDIOID CONDENSER
MICROPHONE HEAD



U500® DC
DYNAMIC
MICROPHONE HEAD



U500® DH
HYPERCARDIOID DYNAMIC
MICROPHONE HEAD

SPECIFICATIONS:

Art. No.:	LDU500CC	LDU500CH	LDU500DC	LDU500DH
Product type:	Microphone Accessories	Microphone Accessories	Microphone Accessories	Microphone Accessories
Microphone type:	Condenser	Condenser	Dynamic	Dynamic
Directivity:	Cardioid	Hypercardioid	Cardioid	Hypercardioid
Sensitivity:	5.6 mV / Pa	5.6 mV / Pa	2.8 mV / Pa	2.4 mV / Pa
Connector:	Screw contact	Screw contact	Screw contact	Screw contact
Colour:	Silver	Black	Black	Black
Length:	70 mm	70 mm	70 mm	70 mm
Diameter:	50 mm	50 mm	51 mm	51 mm
Weight:	0.11 kg	0.11 kg	0.136 kg	0.136 kg
Features:	Gold contacts, customized shock mount	Gold contacts, customized shock mount	Gold contacts, customized shock mount, low-noise FET impedance converter	Gold contacts, customized shock mount, low-noise FET impedance converter

U500[®] CS4

4-CHANNEL WIRELESS CONFERENCE SYSTEM



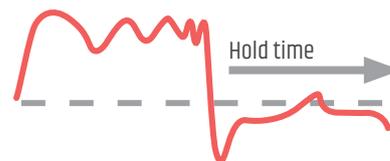
GAIN CONTROL & LOW CUT

Soft-spoken or powerful, the gain control lets you match the mic level to a speaker's voice. A switchable highpass filter prevents boominess when the speaker is too close to the microphone.



RECEIVER CASCADING

To extend the number of microphone units the U500 receiver features audio and data ports for cascading up to five units. Sharing the antennas of the master unit they provide a maximum of 20 channels.



AUTO & MANUAL GATE

If a microphone unit's signal level falls below the threshold the gate mutes the respective channel to eliminate unwanted noise. Hold time determines how long the noise gate remains open after the input level has dropped below the threshold.

PILOT TONE FOR NOISE FREE TRANSMISSION

Inaudible for the human ear a pilot tone is added to the transmitter signal. The receiver is automatically muted if it detects no pilot tone to prevent noise from interfering signals.



INDIVIDUAL AND MIX OUTPUTS

The receiver sports individual XLR outputs for each of the 4 channels plus a mix output. This provides a summed signal of all the channels based on their individual level settings.

REMOVABLE GOOSENECK MIC

Featuring a luminous indicator ring, the gooseneck condenser microphone is detachable from the desktop base's XLR connector.



READY FOR REMOTE CONTROL

Providing an RS-232 interface, the receiver enables external control via remote systems.



U5XX* CS4

4-CHANNEL WIRELESS CONFERENCE SYSTEM

SPECIFICATIONS CONFERENCE RECEIVER:

Art. No.:	LDU5XXCS4R
Modulation type:	FM
Groups:	6
Channels:	60 (6 x 10)
Antenna inputs:	2
Antenna connectors:	BNC
Frequency range:	60 Hz
Noise reduction:	squelch
THD:	< 0,2 %
Signal-to-noise ratio:	> 100 dB
Audio outputs balanced:	4 x XLR
Audio outputs mix balanced:	XLR
Max. output level:	+12 dBu
Controls:	digital encoder, Power On/Off, RX 1 - 4 quick access buttons
Indicators:	OLED display
Operating voltage:	12 V DC, 1,000 mA
Width receiver:	484 mm
Height receiver:	44 mm
Depth receiver:	243 mm
Weight receiver:	2 kg

CONFERENCE MICROPHONE BASE:

Art. No.:	LDU5XXCST
Channels:	6 (6x10)
Groups:	6
Inputs:	XLR
Frequency range:	60 - 16000 lx @ 1mHz
Signal-to-noise ratio:	> 100 dB
Rated HF output power:	10 mW
Controls:	low cut, power / mute, gain
Indicators:	LED, OLED display
Operating voltage:	2 x AA battery
Operating time:	>8 h (with alkaline batteries)
Width:	115 mm
Height:	54 mm
Depth:	135 mm
Weight:	0,73 kg

GOOSENECK MICROPHONE:

Art. No.:	LDU500GM530CC
Colour:	Black
Capsule:	Back electret condenser
Frequency range:	30 - 18.000 Hz
Directivity:	cardioid
Rated HF output power:	10 mW
Nominal impedance:	2000hm(s)
Phantom power:	11 - 52V DC
Microphone input:	XLR /3-pin, gold plated)
Length:	456 mm
Weight:	0,15 kg

*Replace the X with 5, 6 or 8 to choose your desired frequency band:

U505 CS4 // 554 - 586 MHz
 U506 CS4 // 662 - 694 MHz
 U508 CS4 // 823 - 832 MHz + 863 - 865 MHz

