

FC

UHF 128 Frequency-Selectable

MICROPHONE LINE



speco technologies[®]

www.specotech.com

MWR-100UHF

Professional UHF Single Channel, Diversity PLL Receiver For use with Speco Technologies' MWHH-UHF & MWLP-UHF



- FCC Compliant
- 128 Frequency-selectable for interference-free usage
- Frequency Range: 740-752MHz
- LCD display with channel, frequency and volume readings
- RF and AF meter indicators on front panel
- Squelch adjustment control
- Ability to recharge MWHH-UHF/MWLP-UHF microphones from receiver
- Balanced XLR and unbalanced outputs
- Connecting cable with XLR – XLR connectors included
- Removable TCN-type coaxial cable antennas
- Mounting brackets included

Specifications

Frequency Range UHF 740-752MHz
 Oscillator PLL synthesized
 Receiving Mode Single channel, diversity
 Frequency Stability $\pm 0.005\%$
 Receiving Sensitivity At 8dBuV over 80dB S/N ratio
 Image & Spurious Rej. 80dB minimum
 Selectivity > 50dB
 Modulation Mode FM
 IF Frequency 1st: 56MHz, 2nd: 10.7MHz

Dynamic Range > 96dB
 Tone Signal 32.768KHz
 S/N Ratio > 94dB, at 48KHz deviation & 60dBuV antenna input
 AF Response 50Hz to 15KHz (± 3 dB)
 Power Supply 12 VDC
 T.H.D. < 1% (at 1 KHz)
 LCD Display Channel, frequency and volume level
 Current Consumption 500mA \pm 10mA
 Dimensions 8.5" W x 1.75" H x 6.5" D

MWR-200UHF

Professional UHF Dual Channel, Diversity PLL Receiver For use with Speco Technologies' MWHH-UHF & MWLP-UHF



- FCC Compliant
- 128 Frequency-selectable for interference-free usage on both channels
- Frequency Range: 740-752MHz
- LCD display with channel, RF and AF readings
- Dual channel volume controls on front
- Squelch adjustment controls for each channel
- Ability to recharge MWHH-UHF/MWLP-UHF microphones from receiver
- Balanced XLR and unbalanced outputs
- Connecting Cable w/ XLR Connections included
- Mounting brackets included

Specifications

Frequency Range UHF 740-752MHz
 Oscillator PLL synthesized
 Receiving Mode Dual channel, diversity
 Frequency Stability $\pm 0.005\%$
 Receiving Sensitivity At 8dBuV over 80dB S/N ratio
 Image & Spurious Rej. 80dB minimum
 Selectivity > 50dB
 Modulation Mode FM
 IF Frequency 1st: 56MHz, 2nd: 10.7MHz

Dynamic Range > 96dB
 Tone Signal 32.768KHz
 S/N Ratio > 94dB, at 48KHz deviation & 60dBuV antenna input
 AF Response 50Hz to 15KHz (± 3 dB)
 Power Supply 12 VDC
 T.H.D. < 1% (at 1 KHz)
 LCD Display Channel, RF and AF readings
 Current Consumption 500mA \pm 10mA
 Dimensions 16.5" W x 2" H x 7" D

UHF 128 Frequency-Selectable Microphone Line

Professional UHF Frequency-Selectable PLL Lapel Microphone

- FCC Compliant
- 128 Frequency-selectable for interference free usage
- Frequency Range: 740-752MHz
- Uni-directional, electret condenser lapel microphone
- Mini XLR connection to lapel microphone cord
- Belt clip for fastening
- LCD display with channel and battery life readings
- Gain control dial
- Ability to be recharge with MWR-100/200UHF receivers
- Dimensions: 2.5" W x 4" H x 1" D

Specifications

Power Output	10mW (max.)	T.H.D.	<1.0% (at 1KHz)
Oscillator	PLL synthesized	Power Supply	DC1.5V x 2AA rechargeable or dry batteries
Frequency Stability	±0.005%	Tone Key	32.768KHz
Maximum Deviation	±48KHz with limiting compressor	Mic Unit	Uni-directional electret condenser unit
Spurious Emission	>60dB below carrier frequency	Current Consumption	115mA ± 10mA



MWLP-UHF

Professional UHF Frequency-Selectable PLL Handheld Microphone

- FCC Compliant
- 128 Frequency-selectable for interference-free usage
- Frequency Range: 740-752MHz
- Uni-directional, electret condenser handheld microphone
- LCD display with channel and battery life readings
- Ability to be recharge with MWR-100/200UHF receivers
- Dimensions: 2.5" W x 11" H

Specifications

Power Output.	10mW (max.)	T.H.D.	<1.0% (at 1KHz)
Oscillator.	PLL synthesized	Power Supply	DC1.5V x 2AA rechargeable or dry batteries
Frequency Stability	±0.005%	Tone Key	32.768KHz
Maximum Deviation	±48KHz with limiting compressor	Mic Unit.	Uni-directional electret condenser unit
Spurious Emission	>60dB below carrier frequency	Current Consumption	115mA ± 10mA



MWHH-UHF

Professional Lightweight Condenser Headset Microphone

- Cardioid, electret condenser microphone
- Uni-directional
- Sensitivity -67+/- 4dB (0dB=1V/ μbar, 1kHz)
- Impedance: 600 ohms
- Frequency range: 100-16,000Hz
- Max. operation voltage: 10V DC
- Standard operation voltage: 1.5V DC
- Current consumption: Max. 0.5mA
- Sensitivity reduction: Within -3dB at 1V
- S/N Ratio: > 40dB
- Weight: 2 oz.
- Cord Length: 3 ft.
- Wind Screen Included



MW-HSLC

UHF Frequency / Channel Chart

CH.	FREQ.	CH.	FREQ.	CH.	FREQ.	CH.	FREQ.	CH.	FREQ.	CH.	FREQ.	CH.	FREQ.	CH.	FREQ.
1	740.250	17	742.350	33	743.550	49	744.825	65	746.025	81	747.300	97	748.500	113	749.700
2	740.475	18	742.425	34	743.625	50	744.900	66	746.100	82	747.375	98	748.575	114	749.775
3	740.625	19	742.500	35	743.700	51	744.975	67	746.175	83	747.450	99	748.650	115	749.850
4	740.775	20	742.575	36	743.775	52	745.050	68	746.250	84	747.525	100	748.725	116	749.925
5	740.925	21	742.650	37	743.850	53	745.125	69	746.325	85	747.600	101	748.800	117	750.075
6	741.075	22	742.725	38	743.925	54	745.200	70	746.400	86	747.675	102	748.875	118	750.225
7	741.225	23	742.800	39	744.075	55	745.275	71	746.475	87	747.750	103	748.950	119	750.375
8	741.375	24	742.875	40	744.150	56	745.350	72	746.550	88	747.825	104	749.025	120	750.525
9	741.525	25	742.950	41	744.225	57	745.425	73	746.625	89	747.900	105	749.100	121	750.675
10	741.675	26	743.025	42	744.300	58	745.500	74	746.700	90	747.975	106	749.175	122	750.825
11	741.825	27	743.100	43	744.375	59	745.575	75	746.775	91	748.050	107	749.250	123	750.975
12	741.975	28	743.175	44	744.450	60	745.650	76	746.850	92	748.125	108	749.325	124	751.125
13	742.050	29	743.250	45	744.525	61	745.725	77	746.925	93	748.200	109	749.400	125	751.275
14	742.125	30	743.325	46	744.600	62	745.800	78	747.075	94	748.275	110	749.475	126	751.425
15	742.200	31	743.400	47	744.675	63	745.875	79	747.150	95	748.350	111	749.550	127	751.575
16	742.275	32	743.475	48	744.750	64	745.950	80	747.225	96	748.425	112	749.625	128	751.725

Wired Microphone Line

speco technologies®

MCHH-100



Handheld Dynamic Microphone

- Dynamic
- Uni-directional
- 50Hz-16kHz
- 700-ohm impedance
- Sensitivity: -54dB±3db
- 3 Pin XLR male connector
- On/Off switch
- 20 ft. XLR mic cable included
- Carrying case

MCGN-100



Industrial Gooseneck Microphone

- Dynamic
- Uni-directional
- On/Off switch on mic head
- Flexible gooseneck
- 80Hz-16kHz
- 500-ohm impedance
- Sensitivity: -54dB±3dB
- XLR 3 pin male connector

MCDT-300



Professional Table Top Conference Microphone

- Back electret condenser
- Uni-directional
- Flexible gooseneck
- Easy Touch On/Off Button
- Blue LED On/Off indicator
- 50Hz-16kHz
- 500-ohm impedance
- Sensitivity: -37dB±3dB
- XLR 3 pin male connector
- Two AA batteries included
- 20 ft., XLR mic cable included
- 9V-52V DC Phantom or 1.5V battery
- Windscreen sponge over mic

MCBM-300

Professional Boundary Microphone



- Back electret condenser
- Uni-directional
- Stealth design
- 20 ft. XLR cable included
- 60Hz-16kHz
- 250-ohm impedance
- Sensitivity: -36dB±3dB
- 9V-52V DC Phantom power required
- Mute feature

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For more information contact us at:
 Speco Technologies: 200 New Highway, Amityville, NY 11701
 Web: www.specotech.com
 Toll Free: 1-800-645-5516 In Metro NY: 631-957-8700
 Fax: 631-957-9142 or 631-957-3880