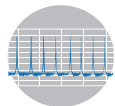


MCR54 dual is a camera dual true diversity wireless microphone receiver system in a modular stand alone or slot in configuration.
Each receiver has a dedicated filter and then can be tuned independently.



Multi-BAND RF

Wideband just isn't enough anymore! Upgrade to a Multi-Band system with up 790 MHz tuning range to find your frequency, anywhere in the World.



High Density with NB filters

The combination of Narrow-band and Linear transmitters allow you to tune every 200kHz and the reduced RX bandwidth gives 3dB uplift in sensitivity.



True Diversity Reliability

With eight internal receiver boards, the MCR54 boasts an unprecedented capacity for range and reliability.



Multi- Companding

DSP delivers ENC and ENR algorithms for perfect audio in any application with less than 1ms delay – with create and shape presets for the desired sound. It enables the use of third-party transmitters with Wisycom receivers



Bluetooth 5

Monitor & control through USB-C/Bluetooth (Wisycom Manager software)



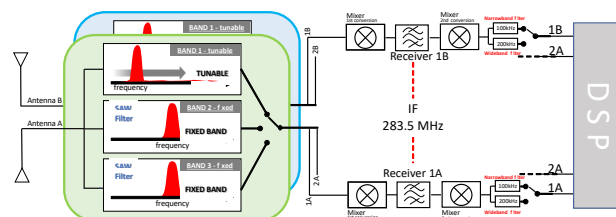
OTHER FEATURES

- Modular configurations for stand-alone or slot-in formats
- Monitor & control through USB C or Bluetooth 5 on Wisycom Manager 3.2.1 (computer SW)
- High contrast OLED display and 4 buttons enable quick manual setup
- DSP Analogue & Digital Audio Output (AES3)
- Extreme low noise VCO with ultrafast spectrum scan for optimal quick & easy setup
- Wisycom exclusive digital sub-carrier telemetry technology enables:
 - » remote TX battery monitoring
 - » advanced tone-squelch operating
 - » Push-to-talk function (via optional back-panel module)
- Rear antenna connectors and micro audio and power adapter

CONFIGURATIONS

FREQUENCY RANGE

B1	470÷800 MHz (tunable) + 960÷1000 MHz + 1045÷1071 MHz (UK DME)
B2	470÷800 MHz (tunable) + 823÷832 MHz + 941÷960 MHz (USA/EU)
B3	470÷800 MHz (tunable) + 806÷810 MHz + 1240÷1260 MHz (JP)
B5	470÷800 MHz (tunable) + 459÷466 MHz + 806÷810 MHz (JP)



ACCESSORIES & RELATED



Item: SL54-IK

"Slot-in" compatible with:

- Sound Device SuperSlot (4 audio outs in capable devices, i.e. Sounddevices™ SL-2)
- MRK16 Multi Slot rack (4 audio out)
- Unislot (Ikegami, Panasonic cameras1)



Item: SL54-SX2

"Slot-in" kit for Sony camera.

NOTE: not all Sony cameras has the internal double pin enable. CHECK IF YOUR CAMERA SUPPORT 2 CH. ON SLOT-IN



Item: BPA54

"Stand alone" rear panel

- 2 mini XLR-5pin male outputs (for 4 analogue channels or 4 digital AES channels), only 2 ch for MCR54-DUAL
- 1 Hirose connector for external power



Item: BCA54

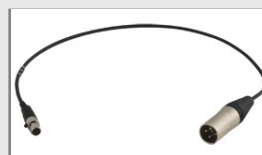
Slot Wireless Module with lithium battery

- 2 mini XLR-5pin male audio outputs
- 1 Hirose connector for external power
- battery pack for RRC2040 33.2Whr



Item: CAM50-3

AF cable (50 cm),
mini XLR-5F / 2 XLR-3M connectors



Item: CAM50-41

AF cable (50 cm),
mini XLR-5F / 1 XLR-3M connector
Line 1 feed XL3-M



Item: CDC34

External power feeding cable
CDC34: Hirose 4pin Male/raw wires (50 cm)
CDC34HM: Hirose 4pin Male/ Hirose 4pin Male (50 cm)



Item: PSP910-H

AC/DC Power Supply, Switch Mode with Hirose 4 pin connector (to use one "desk-top" apparatus alone)
Input: 100 ÷ 240V ac
Output: 12V@700mA, 8W, Plug type: EU



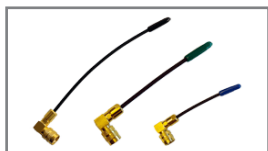
Item: CAUSBC1

USB Cable 1m
USB B - USB C Male Black
To monitor/control/power on MCR54 receiver



Item: MRK16

19" 1U rack with 4 slots for MCR54
16 true div. wireless (4 x MCR54) Analog & digital output (Dante/AES3)
Ethernet & bluetooth controls
RF over fiber input (optional)



Item: AWS-xx-RA

Whip antenna, SMA connector, Right angle
AWS-BK-RA: 470-700 MHz, black cap
AWS-GN-RA: 670-870 MHz, green cap
AWS-BL-RA: 820-1160 MHz, blue cap



Item: AWx

Whip antenna, SMA connector
AWN42: 470-700 MHz, black cap
AWS-GN: 670-870 MHz, green cap
AWS-BL: 820-1160 MHz, blue cap
AWS-RD: 1060-1300 MHz, red cap

CONFORMITY



47 CFR 15 Subpart B
CAN RSS-Gen/CNR-Gen



TECHNICAL SPECIFICATIONS

RF SPECIFICATIONS

Frequency ranges

MCR54-DUAL B1: 470 ÷ 800 + 961÷1000 + 1045÷1075 MHz (UK)
MCR54-DUAL B2: 470 ÷ 800 + 823÷832 + 941÷960 MHz (USA/EU)
MCR54-DUAL B3: 470 ÷ 800 + 806÷810 + 1240÷1260 MHz (JP)
MCR54-DUAL B5: 470 ÷ 800 + 462÷465 + 806÷810 MHz (JP)

Switchable channels

2400 user programmable frequencies, organized in 40 groups of 60 channels

Switching-window

up 790 MHz

Frequencies

microprocessor controlled frequency synthesizer circuit, with 5 kHz minimum step.
The frequencies can be easily PC reprogrammed with USB C, Bluetooth 5 (long range)

Frequency error

< ± 2.5 ppm, in the rated temperature range

Modulation

FM mono, wideband or narrowband IFB (SW selectable)

Peak deviation

±54 kHz (WB wideband FM), ± 40 kHz (NB narrowband FM)

Antenna input impedance

50 ohm sma type (SWR < 1:2; typ. 1:1.4)

Sensitivity

2 µV (6 dBµV, -101 dBm), for SND/N > 58 dB;
in the whole switching-window*

Amplitude response

< 0.5 dB (for RF input signal:6 dBµV ÷ 100 dBµV)

Adjacent chan. selectivity

> 60 dB typical (for channel spacing ≥ 400 kHz in WB and ≥ 250 kHz in NB)

Spurious emissions

< 2 nW (typical = 0.1 pW)

Noise Reduction system

ENR / ENR-1.2 (Wisycm Extended-NR) , noise optimized
ENC / ENC-1.2 (Wisycm Extended-NC), voice optimized & with reduced pre-emphasis
ENS (for live application)
Others, compatible with most systems, thru an internal DSP emulation of SA572, SA575 and Rms envelope compander chip set, fully user programmable

AF bandwidth

30 Hz ÷ 20 kHz (WB), 30 Hz ÷ 17 kHz (NB)

Frequency response

± 1 dB in the 30 Hz ÷ 20 kHz range (WB)
± 1 dB in the 30 Hz ÷ 15 kHz (WB)

Distortion

0.3 % typical

SND/D ratio (Analogue)

120 dB typical*

SND/D ratio (Digital)

> 125 dB typical

Audio output

Electronically balanced on 5 pin mini-XLR Female connector analogue or digital (SW selectable)

Digital sample rate

AES3 @ 48 kHz

Monitor output

headphone 3.5 mm jack socket

Managing interface

USB C, Bluetooth 5

LEDs

2 multicolour RGB LEDs to easy indicates Power & Bluetooth
2 multicolour RGB LEDs to easy indicates the audio status of the receivers

Display

OLED 128x64 (white)

Powering

- External = 6 ÷ 18 Vdc (3 W max)
- Autonomous. = with optional BCA 54 Battery Module

Power consumption

1,85 Watt max (with 2 active receivers), 1,5 Watt max (with 1 active receiver)

Temperature range

-10 ÷ +55 °C

Dimensions

104 x 87,6 x 25 mm (H x W x D)

Weight

285g

*RMS value, 22 Hz / 22 kHz, unweighted

AUDIO SPECIFICATIONS

OTHERS