

evolution wireless [®] 550 Series

RF Wireless Systems | evolution wireless [®]

Cat. No. 021650

General Description

The professional ew 550 [®] series has been designed to meet the high demands of professional sound equipment providers and musicians on tour. At the heart of the series is the EM 550 [®] true diversity twin receiver which can be combined with any 500 series transmitter. The EM 550 [®] has nine frequency banks with up to 20 presets each for direct channel selection. It has all the features of the EM 500 [®] and is additionally fitted with an integrated antenna splitter, which allows several receivers to be cascaded without the need for additional equipment. Other features for the true professionals include two transformer-balanced audio outputs and an integrated power supply unit.



Optional Accessories

- A 1031-U passive omni-directional antenna Cat. No. 004645
- A 2003-UHF passive directional antenna Cat. No. 003658
- AB 2 antenna booster Cat. No. 009817
 - AB 2-A: 518–554 MHz Cat. No. 009818
 - AB 2-B: 626–662 MHz Cat. No. 009819
 - AB 2-C: 740–776 MHz Cat. No. 009820
 - AB 2-D: 786–822 MHz Cat. No. 009821
 - AB 2-E: 830–866 MHz

Technische Daten

Receiver

- Frequency ranges 518–554, 626–662, 740–776, 786–822, 830–866 MHz
- Transmission/receiving frequencies..... 1,440
- Compatible frequencies per frequency bank up to 20
- Compander HDX
- Signal-to-noise ratio..... 115 dB
- AF frequency response..... 40–18,000 Hz
- Pilot tone squelch can be switched off
- Scan function scans all frequency banks
- Adjacent channel rejection > 70 dB
- Intermodulation attenuation > 70 dB
- Sensitivity (with HDX, at peak deviation, 52 dBA_{rms} S/N) typ. 1.5 µV
- EQ presets Flat (40–18,000 Hz)
 - Low Cut (–3 dB @ 200 Hz)
 - Hi Boost (+6 dB @ 10 kHz)
 - Low Cut & Hi Boost
- Max. AF output voltage..... XLR, transformer balanced: –22 to +18 dBu (adjustable in steps of 2 dB)
- Dimensions 436 x 215 x 43 mm
- Weight approx. 3,500 g

Product Variants

- EM 550 [®] -A-US: Frequency range 518–554 MHz/
Power supply unit US Cat. No. 009788
- EM 550 [®] -A-UK: Frequency range 518–554 MHz/
Power supply unit UK Cat. No. 009789
- EM 550 [®] -B-EU: Frequency range 626–662 MHz/
Power supply unit EU Cat. No. 009790
- EM 550 [®] -B-US: Frequency range 626–662 MHz/
Power supply unit US Cat. No. 009791
- EM 550 [®] -B-UK: Frequency range 626–662 MHz/
Power supply unit UKS Cat. No. 009792
- EM 550 [®] -C-EU: Frequency range 740–776 MHz/
Power supply unit EU Cat. No. 009793
- EM 550 [®] -C-US: Frequency range 740–776 MHz/
Power supply unit US Cat. No. 009794
- EM 550 [®] -C-UK: Frequency range 740–776 MHz/
Power supply unit UK Cat. No. 009795
- EM 550 [®] -D-EU: Frequency range 786–822 MHz/
Power supply unit EU Cat. No. 009796
- EM 550 [®] -D-US: Frequency range 786–822 MHz/
Power supply unit US Cat. No. 009797
- EM 550 [®] -D-UK: Frequency range 786–822 MHz/
Power supply unit UK Cat. No. 009798
- EM 550 [®] -E-EU: Frequency range 830–866 MHz/
Power supply unit EU Cat. No. 009799
- EM 550 [®] -E-US: Frequency range 830–866 MHz/
Power supply unit US Cat. No. 009800
- EM 550 [®] -E-UK: Frequency range 830–866 MHz/
Power supply unit UK Cat. No. 009801

evolution wireless ^{Ⓒ2} 550 Series

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[System overview 550 series ^{Ⓒ2}](#)



Consists of the EM 550 ^{Ⓒ2} twin receiver, which can be combined with any of the transmitters from the ew ^{Ⓒ2} 500 series.


- EM 550 ^{Ⓒ2}
Rack-mount twin receiver,
2 telescopic antennas, GA 2 rack adaptor

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