

EK 3241

RF Wireless Systems | 3000 Series Miniature Receivers

General Description

The new EK 3241 has a switching bandwidth of 36 MHz and frequencies that can be tuned in steps of 5 kHz, making the true-diversity receiver the perfect partner for Sennheiser's current transmitter models SKM 5200 and SK 5212. Frequency-agile products are in greater demand than ever as frequency resources become increasingly scarce. We have therefore developed a new tuner module for this true-diversity camera receiver and given the lightweight EK 3241 (200 g/7.05 oz) the capacity for reliable, flexible RF wireless transmission: 32 custom frequencies have already been programmed within the switching bandwidth of 36 MHz; in addition the user is free to program and store another 20 frequencies in steps of 5 kHz into the user bank. The receiver can be easily and intuitively operated with a completely new user interface, which is similar to that of the SK 5212 bodypack transmitter. For a high operational reliability the EK 3241 displays the battery status of the transmitter in detail. The receiver is extremely reliable; its full-metal case is weatherproof and robust.



Recommended Accessories

■ GA 3041-B Battery adapter	Cat. No. 004643
■ GA 3041-C Slot-in housing	Cat. No. 004642
■ GA 3041-15 Mounting kit for Sony (15-pin)	Cat. No. 004639
■ GA 3041-25 Mounting kit for Ikegami and Panasonic (25-pin)	Cat. No. 004640
■ GA 3041-44 Mounting kit for Thomson (44-pin)	Cat. No. 004641
■ GA 3041-QP Quadpack	Cat. No. 005105
■ B 50 Battery box (2 cells)	Cat. No. 500820
■ B 250 Battery box (3 cells)	Cat. No. 500822
■ BA 50 Accupack (NiMH, 2 cells)	Cat. No. 500821
■ BA 250 Accupack (NiMH, 3 cells)	Cat. No. 500823
■ DC-Speisekabel DC supply cable (20 cm/7.87") with Hirose connectors	Cat. No. 075584

Technical Data

Number of channels	tuneable in steps of 5 kHz
Frequency	450 – 960 MHz
Switching bandwidth	36 MHz
Modulation	wideband-FM
Nominal deviation	± 40 kHz / ± 56 kHz
Squelch	0 bis 100 µV, adjustable
.....	in steps of 5 dB
Signal-to-noise ratio	≥ 100 dB(A)
THD, total harmonic distortion	≤ 1 %
.....	typ. 0,8 % per System
Sensitivity as per 121 TR 9-5	typ. 10 µV
.....	for 90 dB Aeff S/N
Intermodulation attenuation	≥ 70 dB
Impedance	2 sockets/50 Ω
Companer	Sennheiser HiDyn plus™

Features

- True-diversity receiver in a very compact all-metal housing
- 36 MHz switching bandwidth
- Frequencies tunable in steps of 5 kHz
- New menu for user-friendly operation
- Special protection against the ingress of moisture
- Power supply via camcorder or GA 3041-B battery adapter
- High operational reliability due to true diversity reception
- Detailed indication of the transmitter's battery status
- Command function can be activated in service
- Operating time of 9 to 18 hrs (BA 50 / B 250)
- Delivery Includes: EK 3241
 - 2 antennas
 - User manual

Product Variants

■ EK 3241 A: 450 – 626 MHz	Cat. No. 500971
■ EK 3241 B: 590 – 834 MHz	Cat. No. 500972
■ EK 3241 C: 798 – 960 MHz	Cat. No. 500973

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Architectural Specifications

The wireless microphone receiver shall operate in the UHF band with a switching bandwidth of 36 MHz. The receiver shall use technologies such as true diversity reception and HiDyn *plus*[™] noise reduction for improved reception, minimized drop-outs, and best possible signal-to-noise ratio.

The receiver shall be frequency agile with up to 7200 frequencies programmable in 5 KHz steps with 32 custom frequencies factory programmed within the switching bandwidth. The preset frequency bank shall be intermodulation-free, one additional user frequency bank shall allow for customized frequency setups in order to avoid RF interference. Adjustable noise-squelch circuitry shall be implemented to provide optimal sound quality.

The receiver shall be menu-driven with an LC display either showing the operating frequency, the current bank and channel number, or transmitter battery status. The display shall include metering of AF and RF level.

The compact all-metal housing shall fit directly into a variety of professional video cameras. It shall be lightweight, robust, and weatherproof.

The wireless microphone receiver specified shall be a Sennheiser EK 3241 True Diversity Miniature Receiver.