



## HT 4000

- Wideband UHF handheld transmitter for use with interchangeable microphone elements
- 30 MHz wide UHF band with up to 1200 selectable frequencies
- Backlit display and jog switch for ease of use
- Up to 30 mW RF radiation for reliable transmission
- Operates for up to 15 hours on dry batteries, 12 hours on optional BP 4000 battery pack and displays remaining battery life

The HT 4000 is a professional handheld transmitter with a rugged body and connects to a choice of six different microphone elements to cover a wide range of applications. The 30 MHz wide UHF band provides up to 1200 selectable frequencies and several preset frequency banks for various countries make it easy to set up a multichannel system. A pilot tone system continuously transmits transmitter status data including MUTE switch position and remaining battery life to the receiver. Integrated charging contacts let you charge the optional BP 4000 battery pack without having to remove it from the transmitter. After only one hour, the battery pack will be fully charged and you can use the transmitter for 12 hours continuously. The HT 4000 will transmit the excellent audio of the AKG microphone elements in all its splendor even over large distances or in difficult environments.

Available microphones for HT 4000: C 535 WL 1, C 5900 WL 1, C 900 WL 1, D 3700 WL 1, D 3800 WL 1, D 880 WL 1, GN 15 HT

## Specifications

<b>Carrier frequency range</b>	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
<b>Modulation</b>	FM
<b>Audio bandwidth</b>	35 to 20,000 Hz
<b>Selectable channels</b>	1200
<b>Max. channels for multichannel operation</b>	> 50
<b>THD</b>	typ. <0,3 %
<b>Signal/noise ratio</b>	120 dB (A)
<b>RF output</b>	50 mW max. (ERP)
<b>Battery life</b>	2 AA size dry batteries: 15 hours; BP 4000: 12 hours
<b>Dimensions</b>	length: 239 mm (9.4 in.); diameter: 39 mm (1.5 in.)
<b>Net weight</b>	320 g (11.3 oz.)

## Engineer's specifications

The wireless system shall operate over a 30 MHz UHF frequency range in one of 6 bands from 680 to 863 MHz, with a wide range of possible frequency settings. The wireless microphone system shall incorporate factory-optimized sets of both transmission and receiving frequency modules that are programmed into both transmitters and receivers. Each frequency set shall comprise a 30 MHz UHF band and offer up to 1,200 discrete operating frequencies within that band, with transmitter power not exceeding 50 milliwatts. Both handheld and bodypack type transmitters shall be provided. The bodypack transmitter shall accommodate both microphone and line level inputs. The transmitters shall operate with a companding system that is complemented by the receiver, providing an A-weighted system dynamic range in excess of 120 dB. The transmitters shall indicate input overload via an LED indicator and on a backlit display battery lifetime shall be displayed in hours as well as the transmitting frequency. Handheld transmitters shall have a maximum diameter of 39 mm and a length, including antenna, no greater than 239 mm. The wireless microphone system shall be the AKG Acoustics Model WMS 4000.