

# DMSTetrad

## DIGITAL WIRELESS MICROPHONE SYSTEM



## LICENSE FREE OPERATION, WORLDWIDE

The DMSTetrad is a professional digital 2.4GHz wireless microphone system for worldwide, license-free operation. With 24bit, 48kHz audio coding, it provides uncompressed studio-quality transmission and a linear frequency response, for uncompromising vocal and instrumental performances. 128bit AES standard encryption prevents tapping of the audio signal, which makes it a perfect companion for high-security conferences.

The entire DMSTetrad system features the DSRTetrad digital stationary receiver, the DPTetrad digital pocket transmitter and the DHTetrad digital handheld transmitter, available with AKG's patented D5 acoustics or as DHTetrad P5 with standard dynamic capsule. Three sets are available, the DMSTetrad Vocal Set either including the DHTetrad D5 or P5 capsule and the DMSTetrad Performer Set including the DPTetrad together with a C111 L earhook microphone and the MKG L instrument cable.

The DMSTetrad is quickly built up and ready to use. The DSRTetrad receiver can work with up to four channels of audio in parallel which can be mixed down directly to its balanced XLR sum output. The dynamic frequency selection (DFS) guarantees that only the cleanest frequency bands are automatically selected for the connection between receivers and transmitters. To handle rare dropouts, AKG developed a technology called DROCON which is implemented in the system that is able to conceal occurring dropouts and thus prevent the clicks they can cause.



**AKG ACOUSTICS GMBH** LAXENBURGER STRASSE 254, 1230 VIENNA/AUSTRIA  
**AKG ACOUSTICS, U.S.** 8500 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

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## APPLICATIONS

- » **Live Sound / Club Music**
- » **Conferences / Presentations / Seminars**
- » **Installations**

## SYSTEM FEATURES

- » **License free wireless system**
- » **Uncompressed audio transmission**
- » **Integrated four channel mixer**
- » **Antenna front mount kit included**
- » **Superior RF performance**
- » **AES 128bit encryption**

## SYSTEM SPECIFICATION

<b>Frequency range</b>	Dynamic frequency selection (DFS) in 2,4 GHz ISM band (2,404 - 2,420 GHz; 2,430 - 2,446 GHz; 2,454 - 2,470 GHz)
<b>Diversity System</b>	Digital controlled antenna diversity
<b>RF Output</b>	Max. 100 mW (all devices), 10 mW for EU
<b>Modulation</b>	Orthogonal Frequency Division Multiplexing – OFDM
<b>Encryption</b>	128 Bit AES
<b>Audio transmission</b>	Uncompressed, digital 48 kHz 24 bit
<b>Audio bandwidth</b>	20 – 20 000 Hz ( $\pm$ 3 dB)
<b>T.H.D.</b>	$\leq$ 0.05 %
<b>Bandwidth</b>	16 MHz (3x16 MHz)
<b>Overall dynamic range</b>	Typ. 120 dB
<b>Dimensions</b>	Standard rack size
<b>Max. Channels</b>	4
<b>Interference protection</b>	Switchable
<b>RF stability</b>	Other 2,4 GHz devices (e.g. WLAN, Bluetooth) will induce RF interference

# DSRTetrad

DIGITAL FOUR CHANNEL RECEIVER



## PRODUCT FEATURES

- » **Dynamic frequency selection in the 2,4 GHz ISM band**
- » **19" metal case**
- » **Easy setup functions designed for less experienced operators**
- » **Four channels can be run simultaneously**
- » **Antenna front mount kit included**
- » **Off function for all transmitters**
- » **LEDs to monitor clipping and battery status**
- » **4 x balanced channel and 1 x sum output**
- » **Stand alone 19" rack mount brackets**

## RECEIVER SPECIFICATION

<b>Diversity System</b>	Digital controlled antenna diversity
<b>RF Output</b>	Max. 100 mW, 10 mW for EU
<b>Gain Potis</b>	0 – 1,4 Vrms
<b>Audio outputs</b>	4 x XLR channel balanced, 1x XLR sum balanced
<b>Power supply</b>	SMPS 12 V DC, 0,5 A, EU/US/UK adapters
<b>Dimensions</b>	Standalone: 315 mm × 42 mm × 147 mm Rack: 482 mm × 42 mm × 147 mm
<b>Net / Shipping Weight</b>	1180 g
<b>Standard Accessories</b>	Power supply, rack and antenna front mount kit
<b>Power supply</b>	12 V DC, 0,5 A

### Item numbers:

SKU Code:	3455H00040 (100 mW)	3455H00030 (10 mW – EU)
UPC:	885038038641	885038038276
EAN:	9002761038644	9002761038279

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# DPT Tetrad

## DIGITAL POCKET TRANSMITTER



Guitar cable MKG L (standard 6,35 mm jack to mini XLR connector) as well as C111 LP ear hook microphone included

## SYSTEM FEATURES

- » **Belt clip upside/down**
- » **Easy setup functions designed for less experienced operators**
- » **Auto power off**
- » **Low battery warning**
- » **Adjustable input level (mic-guitar)**
- » **Integrated screw driver for gain control**
- » **5 V phantom power**
- » **Recommended microphones: C111 L, CK97 C/L, HC577 L and CK77 WR-L**

## POCKET TRANSMITTER SPECIFICATION

<b>RF Output</b>	Max. 100 mW, 10 mW for EU
<b>Gain control</b>	0 (2,2 Vrms) – 30 dB (70 mVrms) max input-level: < 3 Vrms (gain = min)
<b>Overall dynamic range</b>	Typ. 120 dB(A)
<b>Powering</b>	2x AA Alkaline ~6h , 2x AA NiMH ~7h
<b>Dimensions</b>	92 mm × 64 mm × 22 mm
<b>Net / Shipping Weight</b>	70 g
<b>Standard Accessories</b>	2x AA batteries, 1x instrument cable MKG L, 1x ear hook microphone C111 LP

### Item numbers:

SKU Code:	3456H00030 (100 mW)	3456H00020 (10 mW)
UPC:	885038038658	885038038283
EAN:	9002761038651	9002761038286



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# DHTTetrad

DIGITAL HANDHELD TRANSMITTER D5 & P5

## SYSTEM FEATURES

- » Supercardioid capsule
- » Gain switch high/low level
- » Auto power off function
- » Low battery warning



## HANDHELD TRANSMITTER SPECIFICATION

<b>Microphone capsule</b>	Dynamic, supercardioid
<b>RF Output</b>	Max. 100 mW, 10 mW for EU
<b>Audio bandwidth</b>	DHTTetrad P5: 70 – 16 000 Hz (± 3 dB) DHTTetrad D5: 70 – 20 000 Hz (± 3 dB)
<b>Gain switch</b>	Max SPL: ≤ 142 dB (Gain = LOW) Max SPL: ≤ 129 dB (Gain = HIGH)
<b>Overall dynamic range</b>	DHTTetrad P5: typ. 113 dB(A) DHTTetrad D5: typ. 120 dB(A)
<b>Powering</b>	2x AA Alkaline ~6h, 2x AA NiMH ~7h
<b>Dimensions</b>	233 mm × 51 mm
<b>Net / Shipping Weight</b>	260 g
<b>Standard Accessories</b>	2x AA batteries, 1x stand adapter
<b>Optional Accessories</b>	W3004

### Item numbers:

SKU Code (P5):	3457H00050 (100 mW)	3457H00020 (10 mW)
UPC:	885038038665	885038038290
EAN:	9002761038668	9002761038293
SKU Code (D5):	3457X00060 (100 mW)	3457X00030 (10 mW)
UPC:	885038038672	885038038306
EAN:	9002761038675	9002761038309

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# DMS Tetrad

## AVAILABLE SETS

### Tetrad Performer Set

- 1 DSRTetrad receiver
- 1 DPTTetrad bodypack transmitter
- 1 Ear hook microphone (C111 LP)
- 1 Instrument cable (MKG L)
- 2 Detachable antennas
- 2 External antenna cables
- 2 AA batteries
- 2 Rack brackets
- 1 AC-Adapter



#### Item numbers:

- SKU Code: 3459H00020 (100 mW)
- UPC: 885038037101
- EAN: 9002761037104

### Tetrad Vocal Set D5

- 1 DSRTetrad receiver
- 1 DHTTetrad handheld transmitter D5
- 2 Detachable antennas
- 2 External antenna cables
- 2 AA batteries
- 1 Stand adapter
- 2 Rack brackets
- 1 AC-Adapter



#### Item numbers:

- SKU Code: 3459X00030 (100 mW)
- UPC: 885038037484
- EAN: 9002761037487

### Tetrad Vocal Set P5

- 1 DSRTetrad receiver
- 1 DHTTetrad handheld transmitter P5
- 2 Detachable antennas
- 2 External antenna cables
- 2 AA batteries
- 1 Stand adapter
- 2 Rack brackets
- 1 AC-Adapter



#### Item numbers:

- SKU Code: 3459H00010 (100 mW)
- UPC: 885038037095
- EAN: 9002761037098



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