

# DMS70

Digital Wireless  
Microphone System

**AKG**<sup>®</sup>  
by HARMAN

Applications:

- Indoor
- Conference
- Seminar, School
- Live Sound / Club Music



## GENERAL DESCRIPTION

DMS70 is a true uncompressed digital wireless system. The DMS70 operates with 24bit 48 kHz transmission to ensure top-quality audio for every customer. The frequency is the 2.4GHz ISM range, a worldwide license-free frequency range. DMS70 system offers exceptional studio-quality sound thanks to its uncompressed digital audio transmission capability and it is designed for the most exacting applications where the highest level of wireless audio performance is required. The bodypack (pocket) transmitter is especially recommended for guitar and bass because of its ideal frequency response between 20 Hz to 20 kHz. DMS70 works convincing for live and club sound, conferences, seminars, schools and universities – whenever quick and easy setup up is required.

The entire DMS70 package includes: AKG's DSR70 Quattro receiver, DPT70 Digital Pocket Transmitter and DHT70 Digital Handheld Transmitter, available with patented D5 acoustics or DHT70 Perception with standard dynamic capsule.

The DSR70 includes a rack mount kit, power supply and other accessories. The customers can use and combine all system devices according to their needs, as they are all fully compatible. All DMS70 devices are available separately or in the following packages: DMS70 Quattro Vocal Set, DMS70 Quattro Vocal Instrumental Set M, and DMS70 Quattro Instrumental Set M.

All sets include two digital transmitters.

All DMS70 devices feature bidirectional communication between the transmitter and receiver. The dynamic frequency selection provides "intelligent" operation in the crowded 2,4 GHz band, enabled by digital diversity from receiver and transmitter side. Its easy setup functions make the system simple to use even for less experienced operators, while the AES 128-bit encryption ensures secure 2-way wireless communication. The DSR70 Quattro 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 DHT70 D5 employs AKG's patented dynamic D5 capsule to deliver outstanding sound quality with less feedback and handling noise.



Based on the bidirectional communication DMS70 offers a number of additional new and unique features, including power off from receiver side for all connected transmitters, battery status monitoring and out of range warning.

## SYSTEM FEATURES

- » **AES 128 bit Encryption**
- » **Dynamic frequency selection**
- » **Studio audio quality**
- » **4-channel receiver**
- » **Bidirectional communication**
- » **Auto power off**
- » **OFDM Modulation**
- » **True uncompressed audio transmission**

## System Specifications

<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)
<b>Operating range</b>	Indoor 30m (LOS), Outdoor 30m (LOS)
<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>Auto correction</b>	Switchable
<b>RF stability</b>	Other 2,4Ghz devices (e.g. Wlan, Bluetooth) will induce RF interference - select mid or high auto correction

**HARMAN** **AKG ACOUSTICS GMBH** LAXENBURGER STRASSE 254, 1230 VIENNA/AUSTRIA  
**AKG ACOUSTICS, U.S.** 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

© 2013 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries.  
Features, specifications and appearance are subject to change without notice.

[www.akg.com](http://www.akg.com)

# DSR70 Quattro

Four Channel Receiver

**AKG**<sup>®</sup>  
by HARMAN



## DSR70 QUATTRO FEATURES

- » **Dynamic frequency selection in 2,4GHz ISM band**
- » **19" metal case**
- » **Easy setup functions designed for less experienced operators**
- » **4 Channels**
- » **Off function for all transmitter**
- » **Clip led's on receiver**
- » **Transmitter battery status monitoring**
- » **4x balanced channel and 1x sum output**
- » **Stand alone and 19" rackmount brackets**

## DSR70 QUATTRO SPECIFICATIONS

<b>Diversity System</b>	Digital controlled antenna diversity
<b>RF Output</b>	Max. 100 mW
<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 Vdc, 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 mount kit
<b>Power supply</b>	12 Vdc, 0,5 A

### Item numbers:

DSR70: 3255H00010  
UPC: 885038 03112 3  
EAN: 9002761031126

**HARMAN**

**AKG ACOUSTICS GMBH** LAXENBURGER STRASSE 254, 1230 VIENNA/AUSTRIA  
**AKG ACOUSTICS, U.S.** 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

© 2013 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries.

Features, specifications and appearance are subject to change without notice.

[www.akk.com](http://www.akk.com)

# DPT70 M

Pocket Transmitter

**AKG**  
by HARMAN



Guitar cable MKGL, standard 6,35mm jack – mini XLR connector for use with all AKG pocket transmitters.

C111 L included.



## DPT70 FEATURES

- » Belt clip upside/down
- » Easy setup functions designed for less experienced operators
- » Integrated screw driver
- » Auto power off
- » Low battery warning
- » Adjustable input level (mic-guitar)
- » 5V phantom power
- » Recommended microphones: C 111 L, CK97 C/L, HC577 L and CK77 WR-L.

## DPT70 SPECIFICATIONS

RF Output	Max. 100 mW
Gain Poti	0 (2,2 Vrms) – 30 dB (70 mVrms) max input-level: < 3Vrms (gain = min)
Overall dynamic range	Typ. 120 dB(A)
Powering	2x AA Alkaline ~6h , 2x AA NiMH ~7h
Dimensions	92 mm × 64 mm × 22 mm
Net / Shipping Weight	70 g
Standard Accessories	2x AA Batteries, 1x guitar cable MKGL

### Item numbers:

DPT70 M: 3256H00020

UPC: 885038 03530 5

EAN: 9002761035308

**HARMAN**

**AKG ACOUSTICS GMBH** LAXENBURGER STRASSE 254, 1230 VIENNA/AUSTRIA  
**AKG ACOUSTICS, U.S.** 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

© 2013 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries.

Features, specifications and appearance are subject to change without notice.

[www.akg.com](http://www.akg.com)

# DHT70

Handheld Transmitter



## DHT70 FEATURES

- » Supercardioid capsule
- » Gain switch high/low level
- » Auto power off function
- » Low battery warning
- » max. 100 mW RF-output power

## DHT70 SPECIFICATIONS

<b>Microphone capsule</b>	Dynamic, supercardioid
<b>RF Output</b>	Max. 100 mW
<b>Audio bandwidth</b>	DHT70 PERCEPTION: 70 – 16 000 Hz (± 3 dB) DHT70 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>	DHT70 PERCEPTION: typ. 113 dB(A) DHT70 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>	W 3004

### Item numbers:

DHT70 Perception: 3357H00010	DHT70 D5: 3257X00010
UPC: 885038 03326 4	UPC: 885038 03114 7
EAN: 9002761033267	EAN: 9002761031140

**HARMAN** AKG ACOUSTICS GMBH LAXENBURGER STRASSE 234, 1230 VIENNA/AUSTRIA  
AKG ACOUSTICS, U.S. 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

© 2013 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries.  
Features, specifications and appearance are subject to change without notice.

# DMS70 SETS



## *DM570 Q Vocal Set P*

- DSR70 Quattro Receiver
- 2x DHT70 Perception Handheld Transmitter
- 2x Stand Adaptor
- 19" Rack Mount Kit
- 4x LR6 Battery
- EU/US/UK Power Supply

### Item numbers:

- 3258H00090
- UPC: 885038 03591 6
- EAN: 9002761035919

## *DM570 Q Instrumental M-Set*

- DSR70 Quattro Receiver
- 2x DPT70 Pocket Transmitter
- 2x Instrument cable MKG L
- 2x C111 L
- 19" Rack Mount Kit
- 4x LR6 Battery
- EU/US/UK Power Supply

### Item numbers:

- 3258H00070
- UPC: 885038 03531 2
- EAN: 9002761035315

## *DM570 Q Vocal/Instrumental M-Set*

- DSR70 Quattro Receiver
- 1x DHT70 D5 Handheld Transmitter
- 1x DPT70 Pocket Transmitter
- 1x Instrument cable MKG L
- 1x C111 L
- 1x Stand Adaptor
- 19" Rack Mount Kit
- 4x LR6 Battery
- EU/US/UK Power Supply

### Item numbers:

- 3258X00080
- UPC: 885038 03532 9
- EAN: 9002761035322

• All Sets include 2 Transmitters and 1 DSR70 Quattro Receiver

• Packaging size: 500 \* 375 \* 76 mm

• Shipping weight: ~ 2000 grams



**AKG ACOUSTICS GMBH** LAXENBURGER STRASSE 254, 1230 VIENNA/AUSTRIA  
**AKG ACOUSTICS, U.S.** 8400 BALBOA BOULEVARD, NORTHRIDGE, CA 91329, U.S.A.

© 2013 HARMAN International Industries, Incorporated. All rights reserved. AKG is a trademark of AKG Acoustics GmbH, registered in the United States and/or other countries.

Features, specifications and appearance are subject to change without notice.

[www.akg.com](http://www.akg.com)