

DMS 70

Indoor
Conference
Seminar, School
Live Sound / Club Music

- AES 128 bit Encryption
- Dynamic frequency selection
- Patented D5 acoustics
- Studio audio quality
- 2 or 4 channel receiver
- Bidirectional communication
- Auto power off
- OFDM Modulation
- True uncompressed audio transmission



Digital Wireless Microphone System

DMS 70 is a true uncompressed digital wireless system. The DMS 70 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. DMS 70 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. DMS 70 works convincing for live and club sound, conferences, seminars, schools and universities – whenever quick and easy setup up is required. The entire DMS 70 package includes: AKG's DSR 70 Quattro or DSR 70 Dual Receiver, DPT 70 Digital Pocket Transmitter and DHT 70 Digital Handheld Transmitter, available with patented D5 acoustics or DHT 70 Perception with standard dynamic capsule.

The DSR 70 Quattro includes a rack mount kit, power supply and other accessories. The customers can use and combine all system devices to their needs, as they are all fully compatible. All DMS 70 devices are available separately or in the following prepared packages: The Vocal-, Instrumental- and the mixed version of Vocal/Instrumental- set. The Quattro packs include two and the Dual sets one digital transmitter.

All DMS 70 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. It's 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 DSR 70 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 DHT 70 mic employs AKG's patented dynamic D5 capsule to deliver outstanding sound quality with less feedback and handling noise.

Based on the bidirectional communication DMS 70 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.



DSR 70 Quattro/Dual



- Dynamic frequency selection in 2,4GHz ISM band
- 19" and half 19" metal case
- **Easy setup functions** designed for less experienced operators
- 4 Channels (DSR 70 Quattro)
- **Off function for all transmitter**
- Clip led's on receiver
- Transmitter battery status monitoring
- 4x balanced channel and 1x sum output on (DSR70 Quattro)
- Stand alone and 19" rackmount brackets (DSR70 Quattro)



DSR 70 Quattro/Dual Receiver Specifications

Frequency range	Dynamic frequency selection (DFS) in 2,4 GHz ISM band (2,404 - 2,470 GHz)
Diversity System	Digital controlled antenna diversity
RF Output	max. 100 mW
Operating range	Indoor 30m (LOS), Outdoor 30m (LOS)
Modulation	Orthogonal Frequency-Division Multiplexing – OFDM
Encryption	128 Bit AES
Audio bandwidth	20 – 20 000 Hz (\pm 3 dB)
T.H.D.	\leq 0.05 %
Gain Potis	0 – 1,4 Vrms
Overall dynamic range	typ. 120 dB(A)
Audio outputs	4 x XLR channel balanced, 1x XLR sum balanced
Power supply	SMPS 12 Vdc, 0,5 A, EU/US/UK adapters
Dimensions	Standalone: 315 mm x 42 mm x 147 mm Rack: 482 mm x 42 mm x 147 mm
Net / Shipping Weight	1180 g
Standard Accessories	power supply, rack mount kit

Item numbers:

DSR 70 Quattro: 3255H00010
UPC: 885038 03112 3
EAN: 9002761031126

DSR 70 Dual: 3355H00010
UPC: 885038 03325 7
EAN: 9002761033250

Available March 2012

DSR 70 Dual Receiver Specifications (differences)

Audio outputs	2 x channels Jack 6,35mm
Dimensions	Standalone: 202 mm x 45 mm x 125 mm
Net Weight	600 g
Standard Accessories	SMPS 12Vdc, 0,5mA, EU/US/UK adapters
Optional Accessories	RMU 40 Pro



Indoor
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- Dynamic frequency selection in 2,4GHz ISM band
- Belt clip upside/down
- **Easy setup functions** designed for less experienced operators
- Integrated screw driver
- **Auto power off**
- Low bat warning
- Adjustable input level (mic-guitar)
- Phantom power 5V for all MicroMics
- Digital controlled antenna diversity



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

DPT 70

DPT 70 Digital Pocket Transmitter Specifications

Frequency range	Dynamic frequency selection (DFS) in 2,4 GHz ISM band (2,404 - 2,470 GHz)
Diversity System	Digital controlled antenna diversity
RF Output	max. 100 mW
Bandwidth	16MHz
Operating range	Indoor 30m (LOS), Outdoor 30m (LOS)
Modulation	Orthogonal Frequency-Division Multiplexing – OFDM
Encryption	128 Bit AES
Audio bandwidth	20 – 20 000 Hz (± 3 dB)
T.H.D.	≤ 0.05 %
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 number:	DPT 70: 3256H00010
	UPC: 885038 03113 0
	EAN: 9002761031133

Recommended AKG Microphones:



DMS 70 Quattro Receiver Sets



DMS 70 QR Vocal Dual Set

- DSR70 Receiver
- 2x DHT70 Handheld with D5 Capsule
- 2x Stand Adaptor
- 19" Rack Mount Kit
- 4x LR6 Battery
- EU/US/UK Power Supply

Item number:

3258Z00010 / 3258X00010

(January 2012)

UPC: 885038 03109 3

EAN: 9002761031096

DMS 70 QR Instrumental Dual Set

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

Item number:

3258Z00020 / 3258H00020

(January 2012)

UPC: 885038 03110 9

EAN: 9002761031102

DMS 70 QR Vocal/Instrumental Dual Set

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

Item number:

3258Z00030 / 3258X00030

(January 2012)

UPC: 885038 03111 6

EAN: 9002761031119

- All Sets include 2 Transmitters and 1 DSR 70 Quattro 4 Channel Receiver
- Packaging size: 500 * 375 * 76 mm
- Shipping weight: ~ 2000 grams
- Master pack: 5 units

DMS 70 Dual Receiver Sets



Integrated Screw driver for gain leveling



DMS 70 DR Vocal Single Set

- DSR70 Dual Receiver
- 1x DHT70 Perception Handheld Transmitter
- 1x Stand Adaptor
- 2x LR6 Battery
- EU/US/UK Power Supply

Item number:

3358H00010

UPC: 885038 03323 3

EAN: 9002761033236

Available March 2012

DMS 70 DR Instrumental Single Set

- DSR70 Dual Receiver
- 1x DPT70 Pocket Transmitter
- 1x Instrument cable MKGL
- 2x LR6 Battery
- EU/US/UK Power Supply

Item number:

3358H00020

UPC: 885038 03324 0

EAN: 9002761033243

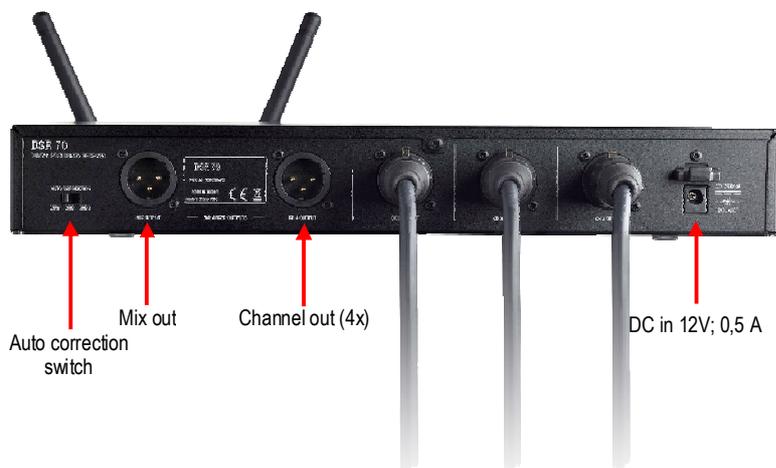
Available March 2012

- All Sets include 1 Transmitter and 1 DSR 70 Dual 2 Channel Receiver
- Packaging size: 430 * 336 * 76 mm
- Shipping weight: ~ 1200 grams
- Master pack: 5 units

DMS 70 Technical Data

DSR 70 System technical specifications

Frequency range	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)
Diversity System	Digital controlled antenna diversity
RF Output	max. 100 mW (all devices)
Operating range	Indoor 30m (LOS), Outdoor 30m (LOS)
Modulation	Orthogonal Frequency-Division Multiplexing – OFDM
Encryption	128 Bit AES
Audio transmission	uncompressed digital 48 KHz 24 bit
Audio bandwidth	20 – 20 000 Hz (± 3 dB)
T.H.D.	≤ 0.05 %
Bandwidth	16MHz (3x16MHz)
Overall dynamic range	typ. 120 dB
Power supply	12 Vdc, 0,5 A
Dimensions	Standard rack- and half racksize
Max. Channels	Quattro: 8, Dual: 4
Auto correction	switchable
RF stability	Other 2,4Ghz devices (e.g. Wlan, Bluetooth)
	induce RF interference - select mid or high auto correction



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