DMS70

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

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 or DSR70 Dual 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 Q Vocal Set Dual, DMS70 Q Instrumental Set Dual, DMS70 Q Vocal/Instrumental Set Dual, DMS70 D Vocal Set and DMS70 D Instrumental Set.

The Q sets include two digital transmitters and the D sets one digital transmitter. 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 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 mic 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.
DSR70 / DSR70 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 (DSR70)
- Off function for all transmitter
- Clip led’s on receiver
- Transmitter battery status monitoring
- 4x balanced channel and 1x sum output on (DSR70)
- Stand alone and 19” rackmount brackets (DSR70)

**DSR70 /DSR70 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 (± 3 dB)
- **T.H.D.**: ≤ 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 × 42 mm × 147 mm  
                             Rack: 482 mm × 42 mm × 147 mm
- **Net / Shipping Weight**: 1180 g
- **Standard Accessories**: power supply, rack mount kit

**DSR70 Dual Receiver Specifications (differences)**

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

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**Item numbers:**

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<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>UPC</th>
<th>EAN</th>
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<tbody>
<tr>
<td>DSR70:</td>
<td>3255H00010</td>
<td>885038 03112 3</td>
<td>9002761031126</td>
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<td>DSR70 Dual:</td>
<td>3355H00010</td>
<td>885038 03325 7</td>
<td>9002761033250</td>
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</tbody>
</table>
Indoor Conference Seminar, School Live Sound / Club Music

- Dynamic frequency selection in 2.4GHz ISM band
- Belt clip upside/down
- Easy setup functions designed for less experienced operators
- Integrated screw driver
- Easy setup functions designed for less experienced operators
- Auto power off
- Low bat warning
- Adjustable input level (mic-guitar)
- Phantom power 5V for all MicroMics
- Digital controlled antenna diversity

DPT70 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: DPT70: 3256H00010
UPC: 885038 03113 0
EAN: 9002761031133

Recommended AKG Microphones:
- CK97 C/L
- CK77 WR-L
- HC577 L

Guitar cable MKGL, standard 6,35mm jack – mini XLR connector for use with all AKG pocket transmitters.
DHT70 D5 / DHT70 Perception

DHT70 Digital Handheld Transmitter Specifications

Microphone capsule: Patented D5 supercardioid capsule
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: 70 – 20 000 Hz (± 3 dB)
T.H.D.: ≤ 0.05 %
Gain switch: max SPL: ≤ 142 dB (Gain = LOW) max SPL: ≤ 129 dB (Gain = HIGH)
Overall dynamic range: typ. 120 dB(A)
Powering: 2x AA Alkaline ~6h, 2x AA NiMH ~7h
Dimensions: 233 mm x 51 mm
Net / Shipping Weight: 260 g
Standard Accessories: 2x AA Batteries, 1x stand adapter
Optional Accessories: W 3004

DHT70 Perception Specifications (differences)

Microphone capsule: Standard supercardioid capsule
Audio bandwidth: 70 – 16 000 Hz (± 3 dB)
Overall dynamic range: typ. 113 dB(A)

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

Patented D5 supercardioid capsule
Studio audio quality
Gain switch high/low level
Auto power off function
Low battery warning
max. 100 mW RF-output power
Digital antenna diversity
Channel recognition
Low battery data transmission to receiver

D5 Varimotion capsule technology

D5 Varimotion capsule technology

Indoor Conference
Seminar, School
Live Sound / Club Music
DMS70 Q Dual Sets

DMS70 Q Vocal Set Dual
- 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:
3258X00010
UPC: 885038 03109 3
EAN: 9002761031096

DMS70 Q Instrumental Set Dual
- DSR70 Receiver
- 2x DPT70 Pocket Transmitter
- 2x Instrument cable MKGL
- 19" Rack Mount Kit
- 4x LR6 Battery
- EU/US/UK Power Supply

Item number:
3258H00020
UPC: 885038 03110 9
EAN: 9002761031102

DMS70 Q Vocal/Instrumental Set Dual
- 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:
3258X00030
UPC: 885038 03111 6
EAN: 9002761031119

- All Sets include 2 Transmitters and 1 DSR70 4-Channel Receiver
- Packaging size: 500 * 375 * 76 mm
- Shipping weight: ~ 2000 grams
- Master pack: 5 units
DMS70 D Sets

DMS70 D Vocal Set
- DSR70 Dual Receiver
- 1x DHT70 Perception Handheld Transmitter
- 1x Stand Adaptor
- 2x LR6 Battery
- EU/US/UK Power Supply

DMS70 D Instrumental 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

Item number: 3358H00010
UPC: 885038 03323 3
EAN: 9002761033236

- 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
### DMS70 System Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td><strong>Frequency range</strong></td>
<td>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)</td>
</tr>
<tr>
<td><strong>Diversity System</strong></td>
<td>Digital controlled antenna diversity</td>
</tr>
<tr>
<td><strong>RF Output</strong></td>
<td>max. 100 mW (all devices)</td>
</tr>
<tr>
<td><strong>Operating range</strong></td>
<td>Indoor 30m (LOS), Outdoor 30m (LOS)</td>
</tr>
<tr>
<td><strong>Modulation</strong></td>
<td>Orthogonal Frequency-Division Multiplexing – OFDM</td>
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<tr>
<td><strong>Encryption</strong></td>
<td>128 Bit AES</td>
</tr>
<tr>
<td><strong>Audio transmission</strong></td>
<td>uncompressed digital 48 KHz 24 bit</td>
</tr>
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<td><strong>Audio bandwidth</strong></td>
<td>20 – 20 000 Hz (± 3 dB)</td>
</tr>
<tr>
<td><strong>T.H.D.</strong></td>
<td>≤ 0.05 %</td>
</tr>
<tr>
<td><strong>Bandwidth</strong></td>
<td>16MHz (3x16MHz)</td>
</tr>
<tr>
<td><strong>Overall dynamic range</strong></td>
<td>typ. 120 dB</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>12 Vdc, 0.5 A</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Standard rack and half rack size</td>
</tr>
<tr>
<td><strong>Max. Channels</strong></td>
<td>Q: 8, D: 4</td>
</tr>
<tr>
<td><strong>Auto correction</strong></td>
<td>switchable</td>
</tr>
<tr>
<td><strong>RF stability</strong></td>
<td>Other 2.4GHz devices (e.g. Wlan, Bluetooth) will induce RF interference - select mid or high auto correction</td>
</tr>
</tbody>
</table>

**Connect button**

**Mix out**

**Channel out (4x)**

**DC in 12V; 0.5 A**

**Auto correction switch**

**DHT 70**

High gain - low gain switch