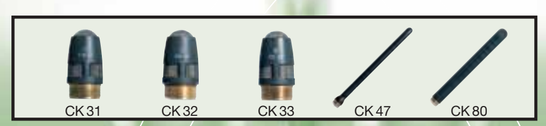
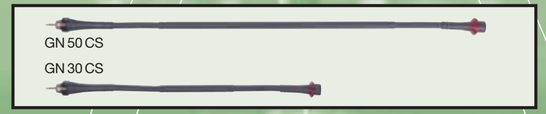
AKG CS 2 - the Modular System for Custom Setups:

The AKG CS 2 is a truly modular conference system for your specific applications. Take your pick!



1. Capsules

Choice of five Discreet Acoustics Modular Series microphone capsules



2. Goosenecks

Two goosenecks in different lengths

3. Microphone Stations

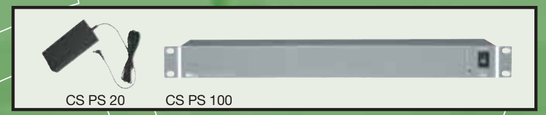
Chair and Delegate Stations for permanent installation or mobile use

4. Connecting Cables

1.25 m (4 ft.) to 20 m (66 ft.) long

5. Base Station

Central control unit for up to 200 Microphone Stations, with expansion in/out



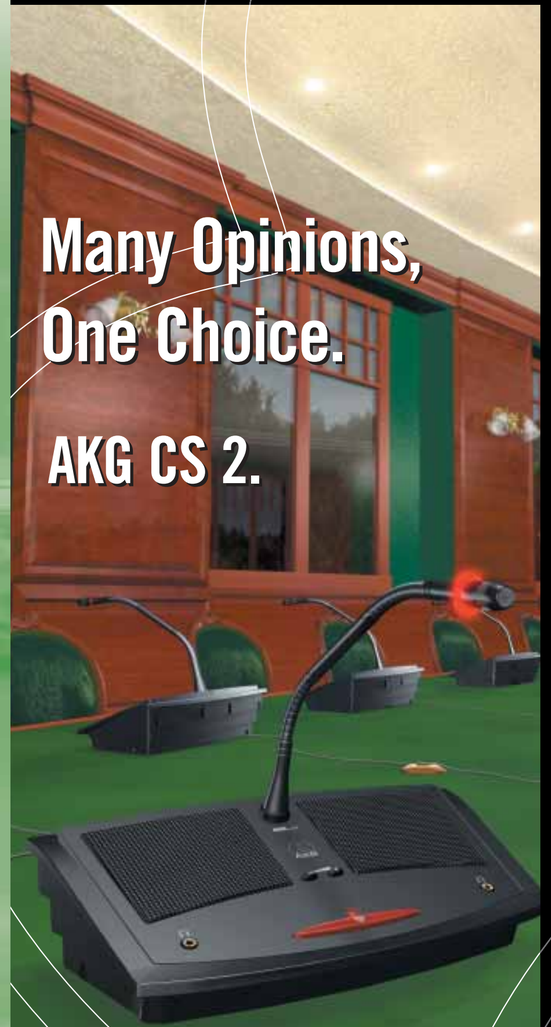
6. Power Supplies

Power supplies (w/o IEC power cable) for 20 to 200 Microphone Stations

Accessories

CS MK 100 oc/fi	100 m (328-ft.), 9.5 mm (0.4-in.) dia. cable for permanent installation	6000H3610
CS MK 100 oc/mob	100 m (328-ft.), 6.5 mm (0.26-in.) dia. cable for mobile installation	6000H3611
CS CON fm/fi	Female D-sub connector for permanent installation	6000H3620
CS CON m/fi	Male D-sub connector for permanent installation	6000H3621
CS CON fm/mob	Female D-sub connector for mobile installation	6000H3622
CS CON m/mob	Male D-sub connector for mobile installation	6000H3623
CS CON floor/m/fi	Male D-sub floor connector	6000H3624
CS CON split2/m/mob	Male/male D-sub adapter	6000H3625
CS CON split4/m/mob	4 x male D-sub splitter	6000H3626
CS MK AC–EU	EU power cable	6000H3602
CS MK AC–US	US power cable	6000H3603
CS MK AC–UK	UK power cable	6000H3604

AKG.CONFERENCE SYSTEMS



CS 2
Conference System

Modular system for custom setups

"Voice Zoom" for good intelligibility

Virtually unlimited number of Microphone Stations

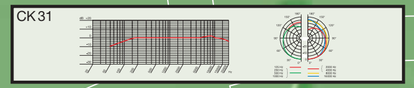
AKG®

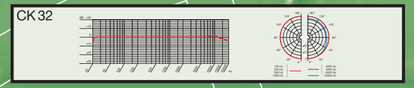
CS 2 DU/CU SPECIFICATIONS

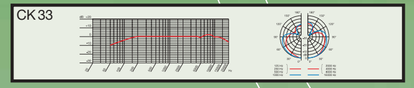
Inputs	
Compatible Microphones	CK 31, CK 32, CK 33, CK 47, or CK 80 in conjunction with GN 30 CS or GN 50 CS
Type	Unbalanced, with DC supply voltage
Input Impedance	1.5 kΩ
Supply Voltage	5.5 VDC
Max. Input Level for <1% THD, Vout <+3 dB	25 dB
Outputs	
Line	
Connector	15-pin male HD D-sub
Type	Transformer balanced, floating
Rated Output Level	+10 dBu
Audio Bandwidth	55 to 35,000 Hz
S/N Ratio, 22 to 22 kHz, QPK	81 dB
System Compatibility	Microphone Station input on Base Station, compatible with CS 1
THD @ 1 kHz	0.25%
EIN with Noise Gate, 22 Hz to 22 kHz; QPK	-105 dBu
Headphones and Built-in Speakers	
Headphones Connectors	2 x mini TRS jacks
Output Power for <1% THD	0.48 W
Min. Headphones Load Impedance	>8 Ω
Audio Bandwidth	30 to 45,000 Hz
S/N, 22 to 22 kHz, QPK	81 dB
THD @ 1 kHz	0.25%
Equivalent Noise Level with Noise Gate, 22 Hz to 22 kHz	-92 dBu
Digital Potentiometer Attenuation	32 stages from 0 to -42 dB linear, -82 dB max.
System	
Adjustable Functions	Voice Activation threshold Voice Activation hold time Microphone automute ON/OFF Enable/disable NOM limitation Voice Activation ON/OFF Priority level Compression ON/OFF "Voice Zoom" ON/OFF Headphones/speaker volume reset/ last setting Adjustable compression
Operating Voltage	23 to 36 VDC
Current Consumption	35 to 63 mA
Max. Power Requirement	1.9 watts
Size (LxWxH, desktop version)	257 x 153 x 74 mm (1.0 x 6.0 x 2.9 in.)
Net/Shipping Weight	950 g / 1500 g (2.1 lbs. / 3.3 lbs.)
Finish	Blue Line gray / matte black
Package Contents	Microphone Station without microphone and cables

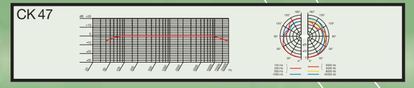
CS 2 BU SPECIFICATIONS

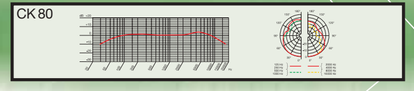
Inputs	
Microphone Stations	
Connector	4 x 15-pin male HD D-sub
Input Level	+10 dBu (compatible to CS 1)
Type	Electronically balanced
Max. Input Level for <1% THD	+13 dB
Line	
Connector	3-pin female XLR
Input Level	±0 dBu
Type	Transformer balanced
Input Impedance @1 kHz	30 kΩ
Max. Input Level for <1% THD	+17 dB
AUX	
Connector	2 x female RCA
Input Level	-10 dBu
Type Unbalanced	
Input Impedance @1 kHz	33 kΩ
Max. Input Level for <1% THD	+15 dB
Outputs	
Record	
Connector	2 x female RCA
Output Level	± 0 dBu
Max. Output Level for 1% THD	+17 dBu
Audio Bandwidth	15 to 50,000 Hz
Min. Load Impedance	500 Ω
THD @ 1 kHz	0.01%
S/N, 22 to 22 kHz, QPK	88 dB
Line	
Connector	3-pin male XLR
Output Level	±0 dBu
Max. Output Level for <1% THD	+10 dBu
Audio Bandwidth	20 to 40,000 Hz
Min. Load Impedance	300 Ω
THD @ 1 kHz	0.02%
S/N, 22 to 22 kHz, QPK	88 dB
Headphones	
Connector	1/4" TRS jack
Bandwidth	17 to 25,000 Hz
Output Level	±0 dBu
Max. Output Level for 1% THD	+14 dBu
Min. Impedance	150 Ω
THD @ 1 kHz	0.05%
S/N, 22 to 22 kHz, QPK	82 dB
Effects	
Connector	1/4" TRS jack
Output Level	±0 dBu
Input Impedance	<4.7 kΩ
Min. Load Impedance	220 ?
System	
Operating Voltage	23 to 36 VDC
Current Consumption	170 to 200 mA
Max. Power Requirement	7.2 watts
Size (LxWxH)	170 x 430 x 44 mm (6.7 x 17 x 1.7 in.)
Net/Shipping Weight	2.5 kg / 3.2 kg (5.5 lbs. / 7.1 lbs.)
Package Contents	Base Station (without power supply), User Instructions











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AKG Acoustics GmbH
Lemböckgasse 21–25, P.O.B. 158, A-1230 Vienna/AUSTRIA, Tel: (+43 1) 86 654-0*, Fax: (+43 1) 86 654-7516, www.akg.com, e-mail: sales@akg.com

AKG Acoustics GmbH
Bodenseestraße 228, D-81243 München/GERMANY, Tel: (+49 89) 87 16-0, Fax: (+49 89) 87 16-200, www.akg-acoustics.de, e-mail: info@akg-acoustics.de

AKG ACOUSTICS, U.S.
914 Airpark Center Drive, Nashville, TN 37217, U.S.A., Tel: (+1 615) 620-3800, Fax: (+1 615) 620-3875, www.akgusa.com, e-mail: akgusa@harman.com

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AKG.CS 2.CONFERENCE SYSTEM

AKG CS 2 - The new Business Class Conference System.

Top-tier decision-makers, corporate presidents or CEOs have come to appreciate the amenities that go with their offices. These include the latest notebook computers, the most comfortable limousines, or the wider seats in the business class.

When it comes to conferencing, convenience is a top priority, too. Here's where AKG comes in, with the CS 2 Conference System that provides intelligent technology, smooth operation, and lots of extras included in the standard system. The CS 2 is fully modular and a range of dedicated components ensures maximum flexibility in setting up tailor-made systems that will satisfy every customer's needs. Components available for the CS 2 include a wide choice of microphone capsules, goosenecks, Microphone Stations, connecting cables in various lengths, power supplies, and a central Base Station that make it easy to design a custom setup for every conference application. In fact, the system is so flexible that you can use a virtually unlimited number of Microphone Stations and your conference installation will work as smoothly and reliably with hundreds of talkers as it would with only ten.

As a buyer or installer you are looking for absolute reliability and ease of operation. Delegates have a right to expect the best possible sound and the least possible fatigue from the sound system. The intelligent CS 2 does its job with utmost precision so talkers will hear one another, not the sound system.

What is the secret behind this high level of convenience?

Delegates usually speak into the microphone with varying loudness, from varying distances, and varying angles. All these parameters affect intelligibility. The CS 2's "Voice Zoom" function uses a combination of signal processors to detect and optimize the loudest signal arriving at each microphone. The result is a clear, consistent sound, excellent intelligibility, and a smoother conference. The "Voice Zoom" function and two headphone jacks on each Microphone Station allow two delegates to share one Microphone Station. Benefits include appreciably reduced system cost, more room on the conference tables, quicker setup and takedown.

The new CS 2 Conference System from AKG is a sound investment in the future and from the first conference on, delegates will love it for its convenience, sound engineers for its ease of use, and of course comptrollers for its low operating cost.

Modular system for custom setups

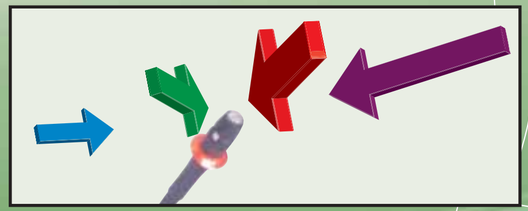
"Voice Zoom" function for good intelligibility

Virtually unlimited number of Microphone Stations

Bottom panel dip switches and pots on each Microphone Station allow many functions to be adjusted individually, including Voice Activation (threshold and hold time), microphone automute after the user stops talking, NOM limitation (enabled/disabled), priority level, Loudspeaker/headphones volume, and compression parameters. This provides maximum flexibility in setting up each Microphone Station.

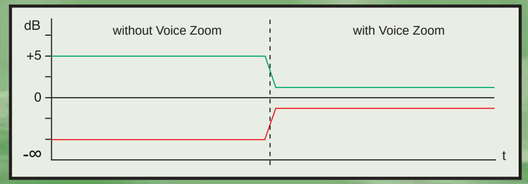
The Base Station provides automatic mixing, ease of use, and smooth operation in day-to-day conferencing, for the benefit of delegates and organizers. One Base Station controls up to 200 Microphone Stations and an expansion in/out allows more Base Stations to be added for an almost unlimited number of Microphone Stations. In addition, the Base Station provides inputs and outputs for connecting wireless microphones, a PA system, CD player or VCR, and a tape deck for recording the session.

Two types of Microphone Stations are available, the Chair Station with a priority button and the Delegate Station. Each Microphone Station is available in a desktop version for mobile use or with an installation frame for permanent flush mounting in a tabletop. To keep discussions orderly, the number of microphones open at any time can be limited to between one and five. A selectable "Voice Activation" function provides ultimate convenience for delegates, as the microphone will come on as soon as they start talking, with no need to press a button.



The sound quality and intelligibility of a conference system depends on its capability to correctly identify and route all signals arriving at a microphone capsule. The "Voice Zoom" function compensates for variations in level caused by

1. Variations in loudness due to the talker's temperament (red arrow);
2. Variations in loudness due to the talker moving closer to or further away from the microphone (purple arrow);
3. Variations in signal quality due to varying angles of incidence (blue arrow).



The "Voice Zoom" function automatically "zooms in" on the voice signal like a camera and passes the signal through a leveler, limiter, and compressor. The result of this optimization process is high quality audio with excellent intelligibility and a consistent volume level.

Dedicated, detachable goosenecks with a rugged, threaded TRS mini jack with gold plated contacts do not only facilitate Microphone Station storage and installation, but also ensure a firm mechanical joint and excellent electrical contact. The GN 30 CS (approx. 30 cm/12 in.) and GN 50 CS (approx. 50 cm/20 in.) goosenecks and interchangeable Discreet Acoustics microphone capsules will provide a perfect solution for every system design.

- Fully modular system
- "Voice Zoom" function
- "Voice Activation" function
- Virtually unlimited number of Microphone Stations
- Priority function
- Single-cable wiring
- NOM limitation
- Two speakers and two headphone outputs on each Microphone Station
- Versatile inputs and outputs
- Detachable goosenecks and microphones for space-saving storage