

# AKG ACOUSTICS

236

374

542

650

710

863

1024

THE  
FUTURE  
IS  
WIRELESS



**WMS 400**  
ULTRAHIGHFREQUENCY



SR 400



HT 400



PT 400



CU 400

# WMS 400. . . .

004

104

274

342

446

# 1

## AUTO-SETUP FUNCTION FOR EASE OF USE



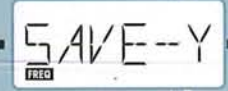
Select Auto Setup



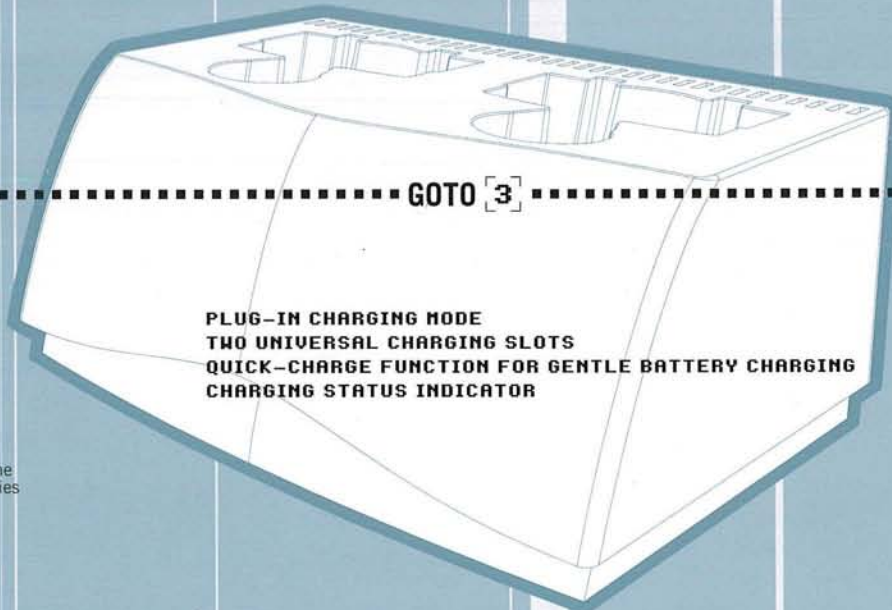
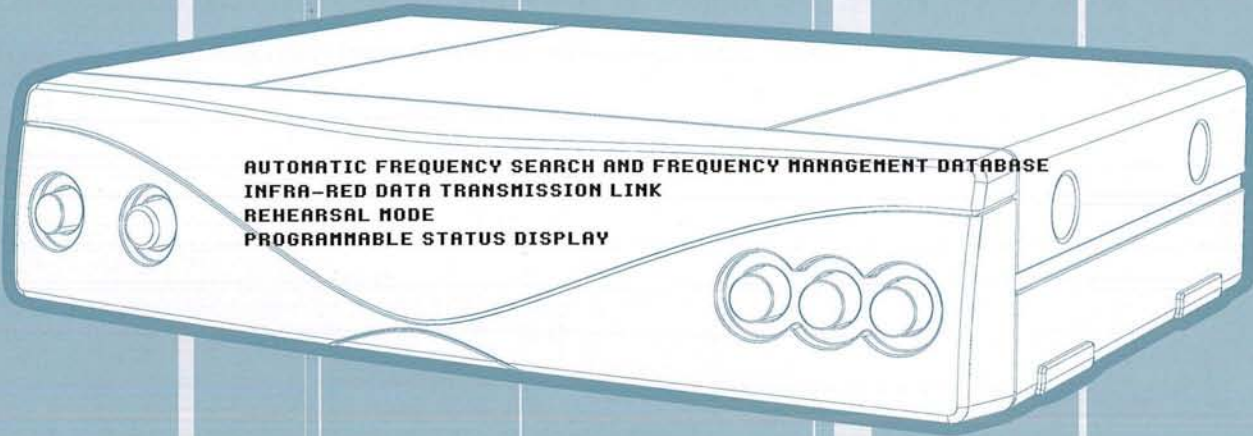
The receiver scans the UHF band...



...and finds a clean frequency



Save your setting



GOTO [3]

**PLUG-IN CHARGING MODE**  
**TWO UNIVERSAL CHARGING SLOTS**  
**QUICK-CHARGE FUNCTION FOR GENTLE BATTERY CHARGING**  
**CHARGING STATUS INDICATOR**

8 h

Keep going!

Lo BAt

Plug the transmitter into the charger for charging batteries

# 4

## EASY BATTERY MANAGEMENT

Lo BAt

LOWBAT  
LOCK

Battery status data is transmitted to the receiver, a low battery capacity warning is displayed on the receiver.

THE FUTURE IS NOW

# SR 400. STATIONARY RECEIVER.

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238

## AUTOMATIC FREQUENCY SEARCH

The receiver will automatically scan its frequency band, find interference-free frequencies, and transmit the related data to the transmitter by infrared.

## PROGRAMMABLE DISPLAY

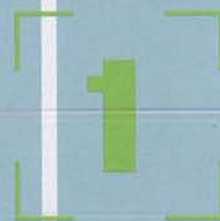
Shows the most important system parameters at a glance.

## REHEARSAL FUNCTION

Records the most important system parameters during the soundcheck.

## MULTI-CHANNEL CAPABILITY

Up to 12 channels can be operated simultaneously within a single subband.\*



### LED METERING

Accurate readout of audio level, diversity status, and RF level.

### BACKLIT LCD

The LC display uses red/green bicolor backlighting for easy operating status monitoring even from a distance.

### MENU KEYS

for easy programming.

### METAL CASE

Half-rack case for easy, space-saving rack mounting.

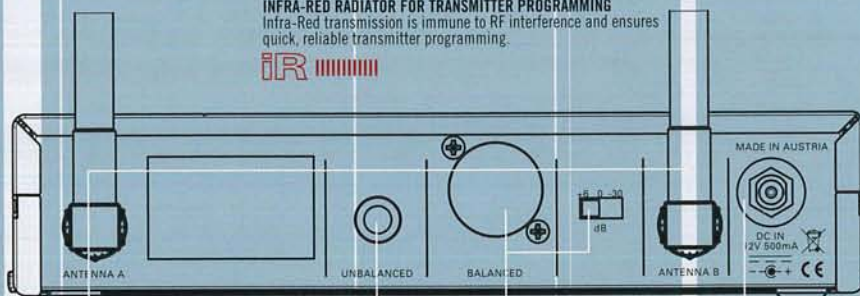
### ON/OFF SWITCH

### RECESSED LEVEL CONTROL

The output level control is recessed to prevent unintentional readjustment.

### INFRA-RED RADIATOR FOR TRANSMITTER PROGRAMMING

Infra-Red transmission is immune to RF interference and ensures quick, reliable transmitter programming.



### ANTENNA INPUTS

Allow you to connect plug-in antennas, remote antennas, or even a complex antenna network.

### XLR AUDIO OUTPUT

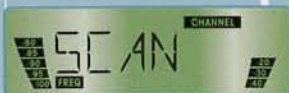
Professional balanced XLR audio output.

### LOCKING DC INPUT

The DC input provides a locking connector for reliable connection to the power supply and to prevent the power cable from being disconnected unintentionally.

### 1/4" AUDIO OUTPUT

Professional unbalanced 1/4" output jack.



### FREQUENCY SEARCH DISPLAY

The receiver is automatically searching for clean frequencies, making system programming quick and easy.



### PRESET DISPLAY WITH AUDIO AND RF BARGRAPHS

The display indicates the currently selected frequency preset as well as audio and RF levels.



### INFRARED TRANSMISSION DISPLAY

The receiver is downloading frequency setup data to the transmitter.



### REHEARSAL MODE DISPLAY

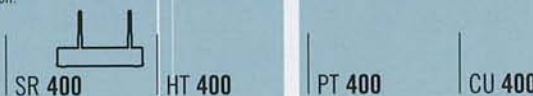
The receiver can record dropouts and related parameters as the transmitter is moved around the performance area.



### WARNING DISPLAY

If, for instance, the transmitter batteries are running low, the display backlighting will change to red, reminding you that the system needs your attention.

\* Depending on local frequency plans.



# HT 400. HANDHELD TRANSMITTER.

HT 400 / D 880<sup>M</sup> DYNAMIC MICROPHONE  
HT 400 / C 900<sup>M</sup> CONDENSER MICROPHONE

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## FREQUENCY DOWNLOAD FUNCTION FOR QUICK SETUP

Transmitter programming at the push of a button.

## BATTERY CAPACITY DISPLAY

Accurate battery capacity countdown indication in hours.

## "SCPM"—SINGLECELL POWER MANAGEMENT & INTEGRATED CHARGING CONTACTS

A single AA size 1.5 V dry or NiMH rechargeable battery will last for up to eight hours. Plug-in charging mode for rechargeable batteries ensures minimum operating cost and ultimate convenience.

## RUGGED BODY

Light, convenient, compact, sturdy.

The HT 400 handheld transmitter is available in two versions: Professional vocal microphone elements will make your voice cut through the loudest mix. Choose either the sheer power of the D 880<sup>M</sup> or the accurate clarity of the C 900<sup>M</sup>. Your voice is the reference.

D 880<sup>M</sup>



C 900<sup>M</sup>

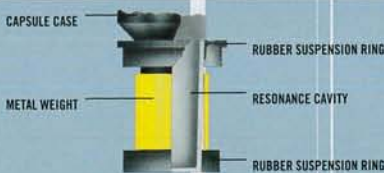


### The Varimotion diaphragm



Never before had it been possible to make a microphone diaphragm whose thickness varied along its diameter. The VARIMOTION technique tunes the diaphragm itself to the desired resonance frequency, eliminating the need for tuning resonators in the microphone body. The result is a better sound than ever before.

### The Doubleflex shock mount



This two-stage shock mount suppresses handling and cable noise almost completely, so the audience will only hear the sound of your voice.

### SHOCK MOUNT

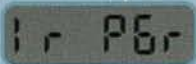
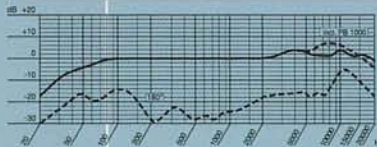
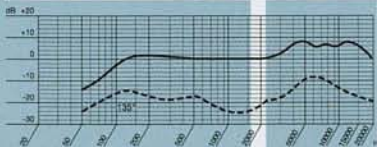
A rubber suspension ring and precisely matching brass weight ensure optimum suppression of handling noise.

### PB 1000 PRESENCE BOOST ADAPTER

The supplied, detachable PB 1000 Presence Boost Adapter provides a high-frequency rise of 3 to 5 dB up to 9 kHz that not only improves intelligibility of speech but also adds sparkle to instrument sounds.

### PPC 1000 POLAR PATTERN CONVERTER

The supplied PPC 1000 Polar Pattern Converter allows you to change the microphone element's pickup pattern from cardioid to hypercardioid.



The frequency is being downloaded from the receiver



Local frequency preset



Frequency in MHz

SR 400

HT 400

PT 400

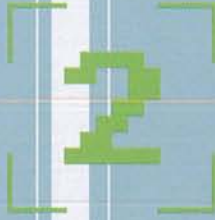
CU 400

# PT 400 . BODYPACK TRANSMITTER.

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**EXTREMELY RUGGED SPRING STEEL WIRE MESH CAP**  
Protects the microphone transducer from damage in tough usage on stage.



**RUGGED MINI XLR CONNECTOR**  
Professional 3-pin mini XLR input for connecting MicroMic Series or other head-worn microphones, lavalier microphones, or instrument cables from AKG.

**MUTE/PRG-OFF SWITCH**  
Programming function: To activate the infra-red sensor, switch from OFF to MUTE/PRG. The transmitter will enter silent mode and be ready to receive data via IR.



**INFRA-RED SENSOR**  
Setting up the transmitter is incredibly easy as frequency and gain data is downloaded from the receiver via infra-red transmission.

**DISPLAY**  
Indicates the selected frequency or preset as well as the remaining battery capacity in hours.

**INTERFACE FOR EXTERNAL MUTE SWITCH**  
An external mute switch allows the user to mute the signal even if the transmitter is hidden beneath clothes.

**ON-MUTE/PRG-OFF SWITCH**  
Programming function: To activate the infra-red sensor, switch from OFF to MUTE/PRG. The transmitter will enter silent mode and be ready to receive data via IR.

**VOLUME GAIN CONTROL**  
Controls the gain of the audio input stage.

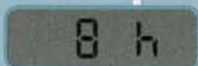
**INTERCHANGEABLE COLOR CODE LABELS**  
For marking multichannel system transmitters by colors and lettering.

**BATTERY COMPARTMENT**  
The transmitter can be powered by a single AA size alkaline or rechargeable battery.

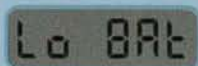
**SOFT-TOUCH FINISH**  
Soft-touch enamel reduces handling noise.

**CHARGING CONTACTS**  
Convenient plug-in charging on the CU 400 charger is cost efficient and friendly to the environment.

**DETACHABLE BELT CLIP**



Battery capacity display



Low battery capacity warning

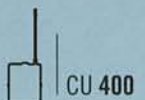
## RECOMMENDED MICROPHONES FOR THE PT 400

LM 3 L					
		CK 31	CK 32	CK 33	Speech
C 411 L					
8		Guitar, Banjo	Violin, Viola	Zither, Sitar	
C 416 L					
0		Accordion			
C 417 L					
0		Presenter	Theater	Violin	
C 418 L					
0		Djembe, Gumbe, etc.			
C 419 L					
0		Djembe, Gumbe, etc.	Woodwind and brass instruments	Didgeridoo	
C 420 L					
0		Vocals	Flute		
C 444 L					
0		Aerobics trainer, Announcer	Speech		
C 477 WR L					
0		Vocals/Theater	Speech		
C 55 L					
0		Speech			
CK 77 WR L					
0		Theater	Speech		

SR 400

HT 400

PT 400



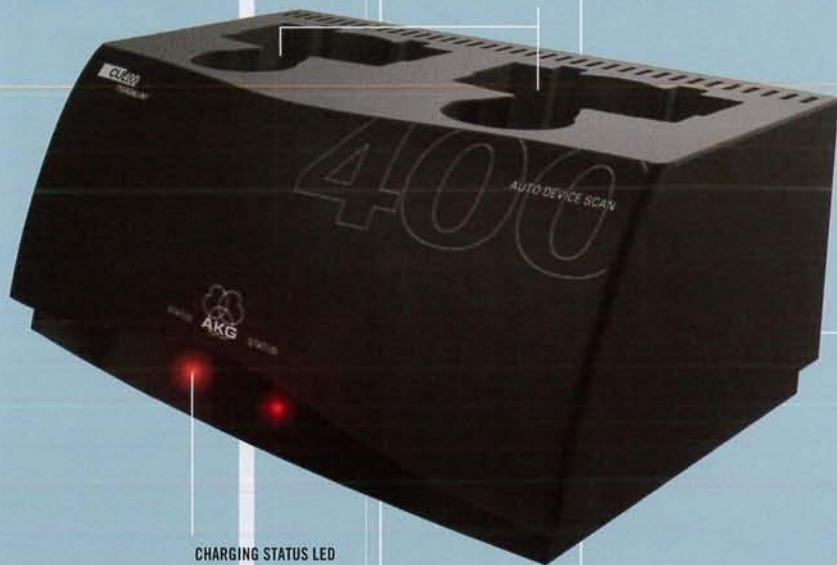
CU 400

# CU 400. CHARGER.

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**TWO UNIVERSAL CHARGING SLOTS**  
Accommodate HT 400 and PT 400 transmitters, or AA size rechargeable batteries.

CHARGING STATUS LED



**LOCKING DC JACK**  
Input jack for a local or central power supply (e.g., PSU 4000).

## PLUG-IN CHARGING

Convenient charging with no need to remove the battery from the transmitter. A single 1.2 V NiMH AA size battery (> 2000 mAh) provides up to 8 hours of operation.

## TWO UNIVERSAL CHARGING SLOTS

## QUICK-CHARGE FUNCTION FOR GENTLE BATTERY CHARGING

## CHARGING STATUS INDICATOR

# SYSTEM COMPONENTS.

### PS 4000 ANTENNA SPLITTER

Wideband antenna splitter for four SR 400 receivers. Expandable for up to 50 or more receivers. Optimum performance at a reasonable cost.



### PSU 4000 CENTRAL POWER SUPPLY

Powers up to 12 SR 400 receivers plus antennas via three PS 4000 antenna splitters to keep wiring simple.



### SRA 1 PASSIVE WIDEBAND DIRECTIONAL ANTENNA

- For indoor or outdoor use, specifically, for setting up long-range radio links (up to 100 m/330 feet)
- For use with antenna cables up to 5 m (16 feet) long
- Water-resistant case, BNC output



### SRA 2B ACTIVE WIDEBAND DIRECTIONAL ANTENNA

- For indoor or outdoor use, specifically, for setting up radio links for distances up to 300 m (approx. 1000 ft.)
- Integrated high-performance antenna booster for use with antenna cables up to 200 m (approx. 655 ft.) long
- Remote powering option
- Water-resistant case, BNC output
- Status LED
- Optional laser positioning pointer



### RA 4000 B OMNIDIRECTIONAL WIDEBAND BOOSTER ANTENNA

- For indoor or outdoor use, specifically, for near-field antenna setups with no preferred direction
- Integrated high-performance antenna booster for use with antenna cables up to 180 m (approx. 600 ft.) long
- Remote powering option
- Rugged, water-resistant case, BNC output
- Status LED



### AB 4000 ANTENNA BOOSTER

- High-performance antenna booster for inserting into long antenna cables. One AB 4000 can compensate for approximately 17 dB of cable attenuation, allowing RG 213 cable runs to be extended by approx. 60 m (200 feet). Up to three AB 4000 boosters can be used in series for extremely long cable runs.
- BNC or N input and output
- DC input
- Status LED
- Water-resistant case



### HPA 4000 HEADPHONE AMPLIFIER

Headphone amplifier with eight inputs for SR 400 receivers and one headphone output.



### PSU 01/4000

Central power supply for four SR 400 receivers through one PS 4000. For small multichannel systems.



### ZAPD ANTENNA COMBINER/SPLITTER

- For complex antenna networks



### ASU 4000 REMOTE POWER ADAPTER

- Remote power supply for complex antenna networks
- BNC or N input and output
- Locking DC input
- Status LED
- Water-resistant case



SR 400

HT 400

PT 400

CU 400

# YOUR WIRELESS FUTURE.

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## EASY TRANSMITTER PROGRAMMING



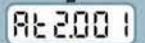
Infra-Red data transmission from the receiver

IR

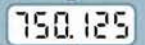
The frequency is downloaded from the receiver



Local frequency preset



Transmitting frequency in MHz



Battery status display



QUICK SETUP, FREQUENCY DOWNLOAD BY INFRA-RED  
BATTERY LIFE DISPLAY  
INTEGRATED CHARGING CONTACTS  
MINIATURE CASE



On Tour



AV/sound company



Theater



Conference



Place of worship



Lecturer

Rehearsal function for finding dead spots



## PERFORMANCE



SR 400



HT 400



PT 400



CU 400

# AKG ACOUSTICS

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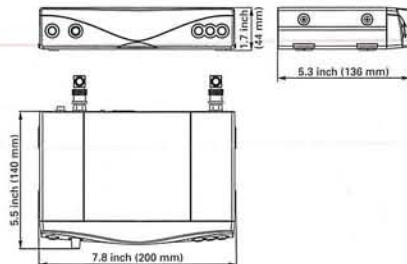
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## AKG.WIRELESS.SOUNDS.BETTER

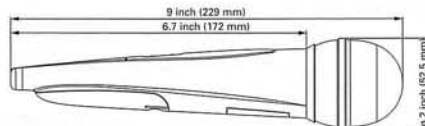
### SR 400

RF carrier frequency ranges	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD at 1 kHz	< 0.3 %
Signal-to-noise	120 dB (A)
Audio outputs	balanced XLR and unbalanced TS 1/4" jack, balanced level switchable to -30 or 0 dBm
Size	200 x 140 x 44 mm (7.8 x 5.5 x 1.7 in.)
Weight	972 g (2.2 lbs.)
Standard accessories	RMU 400 rack-mount kit, power supply, 2 antennas



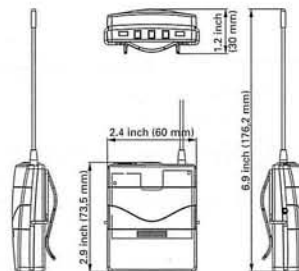
### HT 400

Carrier frequency ranges	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD	< 0.7 % typical at rated deviation / 1 kHz
S/N Ratio (A-weighted)	120 dB (A)
RF output	50 mW max. (ERP)
Battery life	1.5 V AA size alkaline batterie: 6 hours; 1.2 V NiMH, 2100 mAh AA size rechargeable battery: 8 hrs.
Size	229 x 52.5 mm max. dia. (9 x 2 in.)
Net Weight	220 g (7.8 oz.)
Standard accessories	1 AA size alkaline batterie, SA 63 stand adapter



### PT 400

Carrier frequency ranges	650 to 680, 680 to 710, 720 to 750, 760 to 790, 790 to 820, 835 to 863 MHz
Modulation	FM
Audio bandwidth	35 to 20,000 Hz
THD	< 0.7 % typical at rated deviation / 1 kHz
S/N Ratio (A-weighted)	120 dB (A) typical
RF output	50 mW max. (ERP)
Battery life	1.5 V AA size alkaline batterie: 6 hours; 1.2 V NiMH, 2100 mAh AA size rechargeable battery: 8 hrs.
Size	60 x 73.5 x 30 mm (2.4 x 2.9 x 1.2 in.)
Net Weight	90 g (3.2 oz.)
Standard accessories	1 AA size alkaline batterie, belt clip
Optional accessories	external mute switch



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SR 400

HT 400

PT 400

CU 400