

700-FREQUENCIES

1 CHANNEL-SYSTEM

RCS[®]
AUDIO-SYSTEMS



UHF WIRELESS-MICROPHONE SYSTEM



Mobile or fixed installation for:

- Exhibitions and Fairs
- Seminars and Schools
- Stage, Church and Sporting Events



UHF-800

700
UHF
FREQUENCIES
DIVERSITY-SYSTEM



synchronization
at your fingertips

- New, long-term available frequency range
- Synchronization at the touch of a button
- True diversity technology for safe operation

The newest generation “F” of our successful UWR series provide the user with all the details required for safe operation and convenient handling. Made in the latest SMD technology and equipped with a large display that clearly displays all relevant information.

The Auto-Scan function reliably finds interference-free channels and enables the highest transmission quality even in simultaneous operation. The use of the new 630-660 MHz frequency range will ensure operation beyond year 2025.

The matching transmitters UWH-701 F and UWB-700 F are adapted to the receiver in a matter of seconds via the integrated synchronization function.

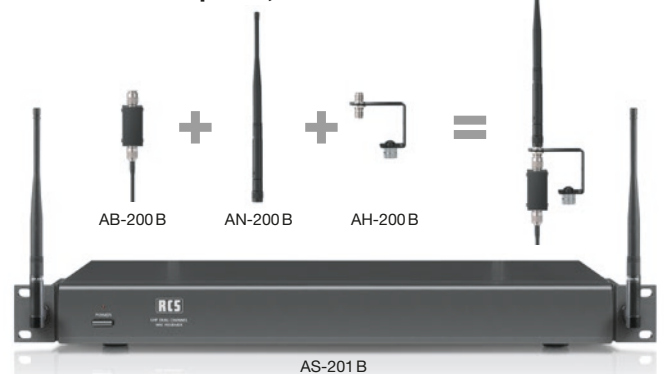
- True Diversity system for very wide range and stable reception.
- Deductible BNC antennas for use of signal amplifiers, e.g. AB-200 B.
- When upgrading to multi-channel systems, 8 UHF systems can be used simultaneously

Information about the frequencies:

The frequencies used are generally assigned for professional users. It is no longer necessary to register for use.

Technical data	UWR-701 F
Frequency Range	630 – 660 MHz (700 Frequencies)
Operating principles	True Diversity
Signal-to-noise ratio	> 94 dB
Frequency response	50 Hz – 15 KHz
Distortion factor	< 1 % (at 1 KHz)
Squelch	„NoiseLock“ Squelch
Audio-Output	MIC = XLR balanced; -20 dB LINE = jack (6,3 mm) unbalanced, 0 dB
Antenna	BNC-Connector
Power supply	12 V DC via power supply
Scope of supply	Receiver, power supply unit, Antenna, cable (jack)
Dimensions	W 200 mm x D 175 mm x H 44.3 mm
Weight	approx. 1 kg

UHF Antenna-Splitter, Booster and external Antenna



Multi-channel-systems can be assembled with accessory components. The splitter AS-200 B (19", 1 RU) manages up to 4 transmitters UWR-701 F. The booster AB-200 B provides sufficient amplification (+9dB) as an external cable driver.

- External UHF-Antenna, (pair) **AN-200 B**
- UHF-Antenna-Booster, (pair) **AB-200 B**
- UHF-Antenna-Holder, (pair) **AH-200 B**
- UHF-Antenna Splitter, 1 RU **AS-201 B**
- 19"-Rack Assembly-Set, for front-assembly the antenna **RU-203 B**

UHF-Receiver, 700 frequencies, (630-660 MHz) UWR-701 F
complete with mains adapter and antennas

1 CHANNEL-SYSTEM / 700 FREQUENCIES



UHF-Wireless Hand Microphone



CE 03360

synchronization at your fingertips

UHF handheld microphone, specifically designed with high-quality condenser capsule for voice transmission. The LCD display indicates the battery status and the current channel. The use of the latest technologies to enable a very low power consumption.

The **frequency synchronization** with the UHF receiver UWR-701 F is easily performed using the **sync button**.

Technical data	UWH-701 F
Carrier frequency	630 – 660 MHz (700 frequencies)
Modulation	FM
Transmission	PLL synth.
RF Output Power	10 mW
Frequency response	50 Hz – 15 kHz
Microphone-type	Kondensator
Power supply	2x Mignon (1,5V; AA)
Transmission range	80 – 100 m
Dimensions / Weight	Ø 44,3 mm x L 250 mm; 300 g

UHF-Hand Microphone, (700 frequencies) UWH-701 F

Neckworn Microphone

3-pin MINI XLR



Very comfortable condenser-neckworn-microphone conducted in the characteristic of a kidney. Due to the low dead-weight and the flexible material this microphone fits all head shapes perfectly. Available in the colours “skin-colour” and “black”.

Neckworn Microphone, skin-color. HS-200 S
Neckworn Microphone, black HS-200 B

UHF-Bodypack-Transmitter



CE 03360

synchronization at your fingertips

3-pin MINI XLR

for LA-200 B or HS-200S/B

Bodypack transmitter to use the headset microphone HS-200 B/S or the lavalier clip LA-200 B. The input sensitivity of the bodypack transmitter is adjustable. This allows the use of microphones and transmission line signals.

The **frequency synchronization** with the UHF receiver UWB-700 F is easily performed using the **sync button**.

Technical data	UWB-700 F
Carrier frequency	630 – 660 MHz (700 frequencies)
Modulation	FM
Transmission	PLL synth.
RF Output Power	10 mW
Frequency response	50 Hz – 15 kHz
Max. deviation	± 48 kHz
Power supply	2x Mignon (1,5V; AA)
Transmission range	80 – 100 m
Dimensions / Weight	W 65 mm x H 100 mm x D 27 mm; 150 g

UHF-Bodypack, (700 frequencies) UWB-700 F

Lavalier Microphone

3-pin MINI XLR



Condenser lavalier microphone completed in ball-characteristic. Delivery incl. 80 cm cable and clip. The microphone is due to its size very discreet and can clip it to your desired location on the clothing. Available in the color black.

Lavalier Microphone, black LA-200 B

Accessories

19"-Rack Mounting-Set for one UWR-701 F



19" brackets for one Receiver unit (1 RU).

Mounting-Set ... RU-401
1RU, for one UWR-701 F

19"-Rack Mounting-Set for front mounting the antenna



19" mounting bracket for mounting the antenna (BNC-Connector) on the front of one Receiver unit.

Mounting-Set . RU-401 B
1RU, for one UWR-701 F

50 ohms antenna cable, equipped with BNC-Connectors. To install the UHF antenna in a distance (in your order please declare the desired cable length, max. 10 m).

Antenna cable, [desired length] ... ACT-050/xx BNC

Microphone-Holder for UWH-701 F



The holder comes with a 3/8" and 5/8" thread.

Mic.-Holder ... MH-800
for wireless Hand microphones

UHF-Antenna-Holder



Ant.-Holder ... AH-200 B
(pair)

UHF-Antenna-Booster

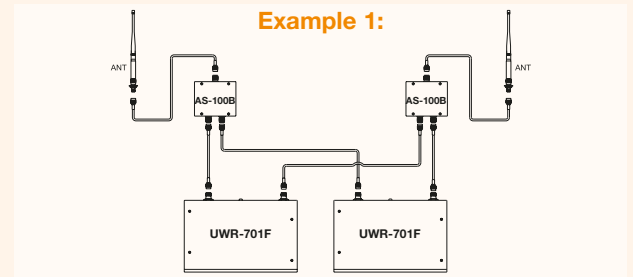


Ant.-Booster ... AB-200 B
(pair)

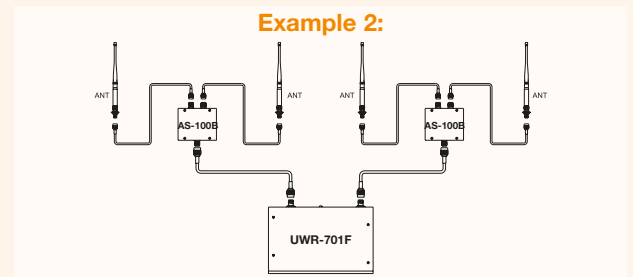
Accessories

Splitter- and Combiner-Set AS-100

Depending on the application can be using the AS-100 set to reduced or doubled the number of antennas.



By using 2 St. UHF receivers in just 1 RU, it is useful to reduce the number of antennas accordingly (eg when using the 19" Rack Mounting-Set RU-203 B). If the antennas are installed on a panel front and the cable length is about 10 m, it is recommended to use the additional signal amplifier AB-200 B.



Broadcasting in technically difficult areas such as angled buildings, but also on large areas such as athletic fields or arenas, it may be useful to increase the number of antennas, so as to ensure a uniform, comprehensive signal stability. For cable lengths over 10 meters may cause interference, so an additional signal amplifier AB-200 B is recommended.

Splitter- and Combiner-Set ... AS-100
contain 2 pieces

Active Directional Antenna for UWR-701 F

UHF directional antenna with integrated signal booster (+10 dB). The receiving area can be optimized through aligning of the antenna. RF interference outside the beam width can be effectively excluded. Suited to the optional AH-300 antenna bracket for wall, ceiling or tripod mounting.



Active Directional Antenna ... AN-300 B
Antenna-Holder ... AH-300
for AN-300 B, with 3 / 8" thread for wall, ceiling or tripod mount