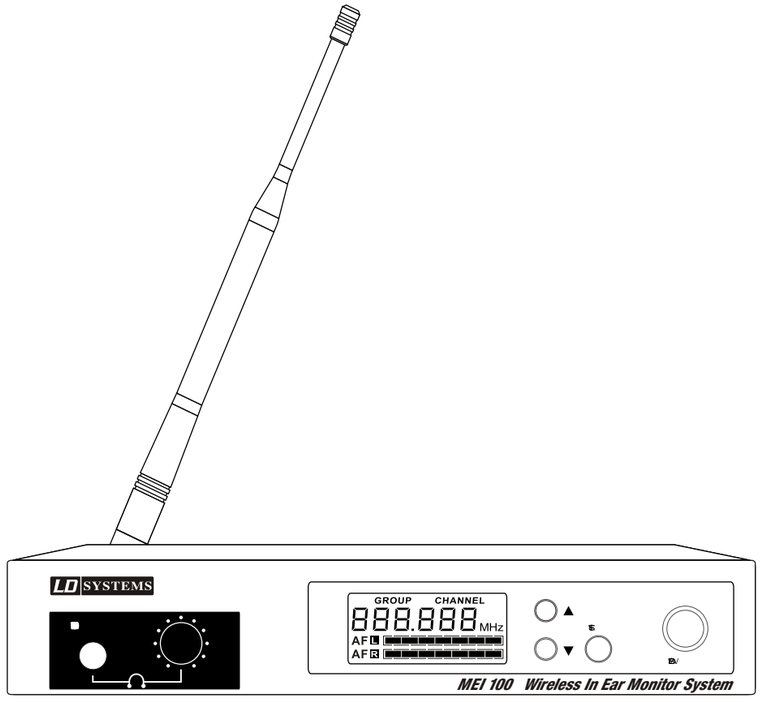
Bedienungsanleitung

www.adamhall.com

MEI 100

Zum Betrieb in: DE AT CH
For other countries please observe the respective country-specific regulations
Frequenz Finder Inside

Wireless In Ear Monitor System

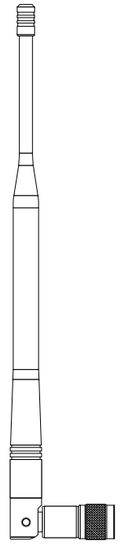


CE 0678 ⓘ

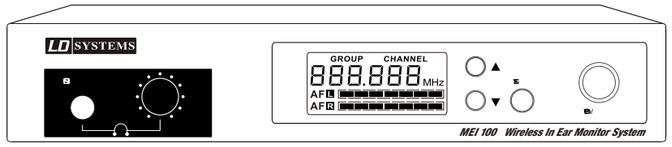
RoHS

Printed in CHINA

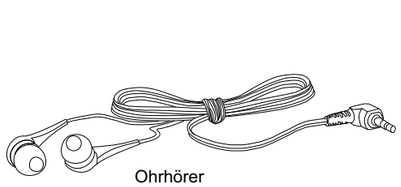
Systemkomponenten:



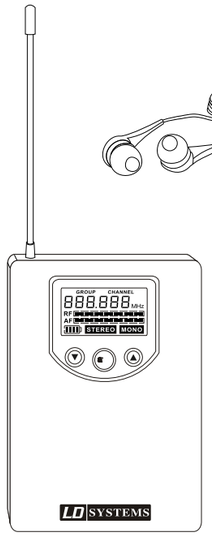
Antenne



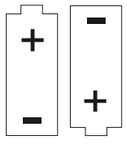
Sender



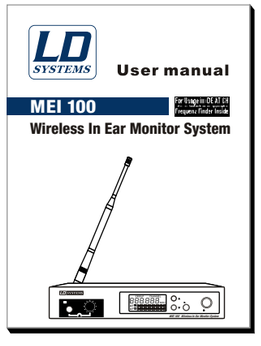
Ohrhörer



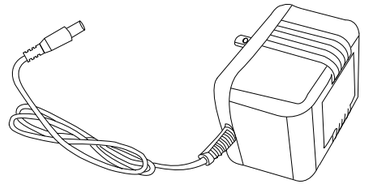
Taschenempfänger



Batterien (2 x AA, Mignon-Zelle)



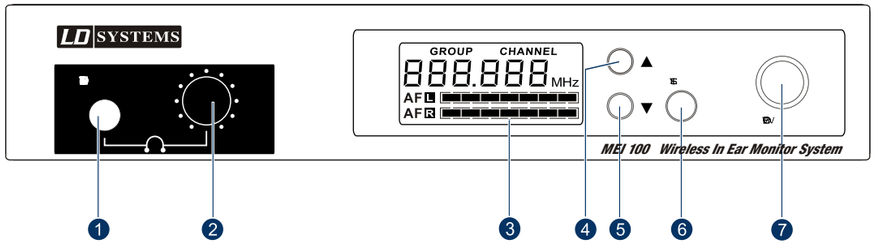
Bedienungsanleitung



Netzadapter

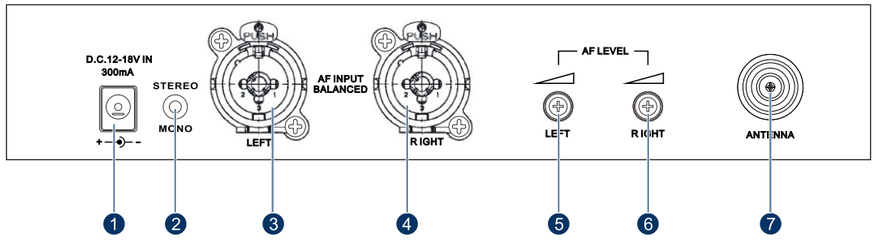
MEI-100

Gerätefront:



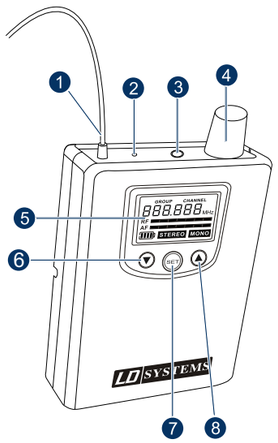
1. Ohrhöreranschluss
2. Pegelregler Monitor-Audioausgang
   Drehen nach links: Verringern des Ausgangspegels; Drehen nach rechts: Erhöhen des Ausgangspegels
3. LC-Display
   Siehe Seite 4, "Systemeinstellungen"
4. Navigationstaste Sender-Menü: aufwärts
   Siehe Seite 4, "Systemeinstellungen"
5. Navigationstaste Sender-Menü: abwärts
   Siehe Seite 4, "Systemeinstellungen"
6. Programmiertaste Sender (SET)
   Siehe Seite 4, "Systemeinstellungen"
7. Ein/Aus-Taste
   Einschalten: Taste zwei Sekunden gedrückt halten;
   Ausschalten: Taste drücken und halten

Geräterückseite:

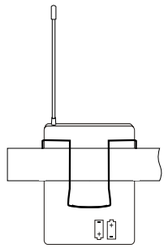


1. Eingang Netzadapter
2. Stereo/Mono-Schalter
   Aufwärts: Stereobetrieb
   Abwärts: Monobetrieb
3. Combo (XLR + 6.3mm jack socket), linker Kanal
4. Combo (XLR + 6.3mm jack socket), rechter Kanal
5. Eingangspegelregler, linker Kanal
6. Eingangspegelregler, rechter Kanal
7. Antennenbuchse A (50 Ohm)

Ausstattung Taschenempfänger:

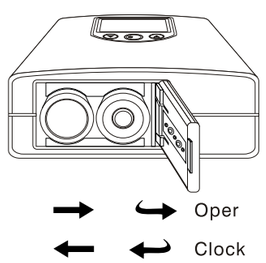


1. Antenne
2. HF-Signal-LED
   Leuchtet bei anliegendem HF-Signal
3. Ohrhörerbuchse
4. Pegelregler Audioausgang und Ein/Aus-Taste
5. LC-Display
   Siehe Seite 4, "Systemeinstellungen"
6. Navigationstaste Empfänger-Menü: abwärts
   Siehe Seite 4, "Systemeinstellungen"
7. Programmiertaste Empfänger (SET)
   Siehe Seite 4, "Systemeinstellungen"
8. Navigationstaste Empfänger-Menü: aufwärts
   Siehe Seite 4, "Systemeinstellungen"



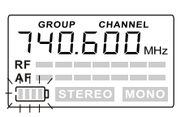
So tragen Sie den Taschenempfänger optimal

Befestigen Sie den Empfänger mit dem Clip am Gürtel oder einem geeigneten Gurt. Für optimalen Sitz sollte der Clip stets vollständig auf den Gürtel bzw. Gurt aufgeschoben werden (siehe Abbildung).

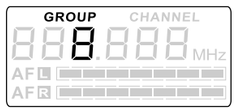


Ersetzen der Batterien

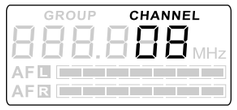
Die durchschnittliche Betriebsdauer zweier Alkali-Batterien beträgt ca. acht Stunden. Wenn das Batterie-Symbol im LC-Display blinkt (siehe Abbildung unten), sollten die Batterien sofort ersetzt werden (Abbildung links).



Systemeinstellungen



①



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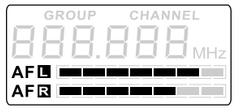

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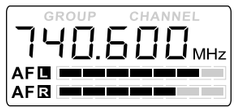
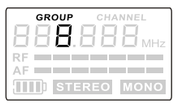


④

Receiver screen



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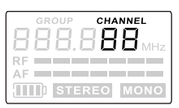

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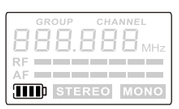
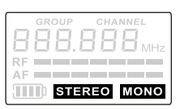
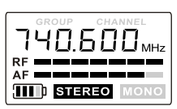


⑦



⑧



⑨

Einstellen des Senders:

Auswahl der Frequenzgruppe (GROUP) und/oder des Kanals (CHANNEL): Drücken Sie die SET-Taste (GROUP blinkt). Die Auswahl der gewünschten Frequenzgruppe erfolgt über die Navigationstasten bzw. (siehe Abbildung 1). Drücken Sie die SET-Taste erneut (CHANNEL blinkt). Die Auswahl des gewünschten Kanals erfolgt über die Navigationstasten bzw. (siehe Abbildung 2).

Hinweis: Bei Einsatz mehrerer Systeme empfehlen wir, für alle Systeme dieselbe Frequenzgruppe zu verwenden und jedem Einzelsystem anschließend eine separate Kanalnummer zuzuweisen.

Audio-Eingangspegelanzeige:
Die Anzeige des Audio-Eingangspegels erfolgt über zwei Balkenanzeigen (Kanal links/rechts, siehe Abbildung 3).

Anzeigeoptionen LC-Display:
Audio-Eingangspegel links/rechts, Arbeitsfrequenz Sender (siehe Abbildung 4)

Den Audio-Eingangspegel (Lautstärke des Senders) stellen Sie über den Pegelregler am Sender ein.

Einstellen des Empfängers:

Auswahl der Frequenzgruppe (GROUP) und/oder des Kanals (CHANNEL): Drücken Sie die SET-Taste (GROUP blinkt). Die Auswahl der gewünschten Frequenzgruppe erfolgt über die Navigationstasten bzw. (siehe Abbildung 5). Drücken Sie die SET-Taste erneut (CHANNEL blinkt). Die Auswahl des gewünschten Kanals erfolgt über die Navigationstasten bzw. (siehe Abbildung 6).

Batterieanzeige:
Die Anzeige für die Batteriespannung des Empfängers erfolgt in fünf Stufen (siehe Abbildung 7).

Anzeige Stereo/Mono-Betrieb:
Der Empfänger erkennt das Anliegen eines Stereo- bzw. Mono-Signals automatisch und zeigt den jeweiligen Status im LC-Display an (siehe Abbildung 8).

Anzeigeoptionen LC-Display:
Batteriestatus, HF/Audio-Pegel, Stereo/Mono-Betrieb, Arbeitsfrequenz (siehe Abbildung 9)

Technische Daten

System

Frequenzbereich und Ausgangspegel des Senders

Band : UHF
Frequenzbereich : 790,850 – 813,800 MHz
Ausgangspegel Sender: 10 dBm

Sendebereich unter typischen Umgebungsbedingungen

100m

Hinweis: Der tatsächlich nutzbare Sendebereich ist abhängig von Absorption und Reflexion des HF-Signals sowie Interferenzen.

Frequenzgang des Audiosignals (+/-3 dB)

60Hz~16KHz

Klirrfaktor (THD @ +/-30 kHz Hub, 1 kHz Audiosignal)

<1%

Dynamikbereich

>90 dB, A-bewertet

Temperaturbereich

-10 °C … +50 °C
Hinweis: batterieabhängig

Sender

RF Ausgangspegel:

10dBm

Audio-Eingangspegel:

+12dBV

Gain-Bereich

40dB

Eingangsimpedanz

100 kOhm

Abmessungen

38 mm (H) x 212 mm (B) x 96 mm (T)

Gewicht

605 g

Stromversorgung

12-18 V DC @ 300 mA,
externes Steckernetzteil

Combi-/XLR input

symmetrisch

Pol 1: Masse (Kabelabschirmung)

Pol 2: (+; Audio)

Pol 3: (-)

Asymmetrisch (6,3 mm Klinkeneingang)

Tip : Ground & Audio

Taschenempfänger

Audio-Ausgangspegel

100mW @ 32 Ohms

Empfindlichkeit

-94 dBm (typisch, 30 dB SINAD)

Spiegelfrequenzunterdrückung

>55dB

Abmessungen

95 mm (H) x 65 mm (B) x 25 mm (T)

Gewicht

100 g (ohne Batterien)

Stromversorgung

2 Alkali-Batterien Typ "AA" (Mignon-Zellen)
oder entsprechende Akkumulatoren

Batteriebetriebsdauer

ca. 8 Stunden (Alkali-Batterien)

Umwelthinweis

Werfen Sie die mitgelieferten Batterien nicht in den Hausmüll!

Geben Sie entladene Batterien in einen Batteriecontainer oder bei einer Rücknahmestelle für Alt-Batterien ab. Gemeinsam zu einer besseren Umwelt.

Batteries or rechargeable batteries

The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose exhausted batteries. Together for a good nature.

Korrekte Entsorgung dieses Produkts (Elektromüll)

(Anzuwenden in den Ländern der Europäischen Union und anderen europäischen Ländern mit einem separaten Sammelsystem)

Die Kennzeichnung auf dem Produkt bzw. auf der dazugehörigen Literatur gibt an, dass es nach seiner Lebensdauer nicht zusammen mit dem normalen Haushaltsmüll entsorgt werden darf. Entsorgen Sie dieses Gerät bitte getrennt von anderen Abfällen, um der Umwelt bzw. der menschlichen Gesundheit nicht durch unkontrollierte Müllbeseitigung zu schaden. Recyceln Sie das Gerät, um die nachhaltige Wiederverwertung von stofflichen Ressourcen zu fördern.

Private Nutzer sollten den Händler, bei dem das Produkt gekauft wurde, oder die zuständigen Behörden kontaktieren, um in Erfahrung zu bringen, wie sie das Gerät auf umweltfreundliche Weise recyceln können.

Gewerbliche Nutzer sollten sich an Ihren Lieferanten wenden und die Bedingungen des Verkaufsvertrages konsultieren. Dieses Produkt darf nicht zusammen mit anderem Gewerbemüll entsorgt werden.

EG-Konformitätserklärung CE0678
Diese Geräte entsprechen den grundlegenden Anforderungen und den weiteren Vorgaben der Richtlinien 1999/5/EU, 89/336/EU und 73/23/EU. Die Erklärung steht im Internet unter www.adamhall.com zum Download zur Verfügung.

CE Declaration of Conformity CE0678
This equipment is in compliance with the essential requirement and other relevant provisions of Directives 1999/5/EC, 89/336/ES or 73/23/EC. The declaration is available for donwload on the internet site at www.adamhall.com. Before Putting the device into operation, please observe the respective country-specific regulations!

Déclaration de conformité pour la CEE
Ces appareils sont conformes aux exigencies essentielles et aux autres dispositions pertinentes de les Directives 1999/5/EC, 89/336/EC et 73/23/EC. Vous trouvez cette
declaration dans la internet sous www.adamhall.com. Avant d'utiliser l'appareil, veuillez observer les dispositions légales en vigueur dans votre pays.

Dichiarazione di vonformità UE
I presenti apparecchi sono conformi ai requisiti fondamentali e alle ulteriori prescrizioni delle normative 1999/5/EU, 89/336/UE e 73/23/UE. Il dichiarazione disponibile sul sito Internet
www.adamhall.com. Prima della messa in funzione seguite le prescrizioni vigenti nel paese nel quale viene utilizzato!

Declaración de Conformidad
Este equipo cumple tanto los requisitos esenciales como otras disposiciones de las Directivas 1999/5/CE, 89/336/CE y 73/23/CE. Si desea leer el declaración, visite la página www.adamhall.com. Anterior a la puesta en funcionamiento deberán observarse las correspondientes ordenanzas nacionales!

EU-verklaring van overeenstemming
Deze apparaten voldoen aan de fundamentele eisen en overige voorschriften van de richtlijnen 1999/5/EU, 89/336/EU en 73/23/EU. Het verklaring is op internet onder www.adamhall.com beschikbaar. Voor inbedrijfstelling dient u de afzonderlijke landspecifieke voorschriften in acht te nemen!

Zu Ihrer Sicherheit

Öffnen Sie niemals eigenmächtig ein Gerät, es besteht die Gefahr eines elektrischen Schlages. Für Geräte, die eigenmächtig vom Kunden geöffnet wurden, erlischt die Gewährleistung.
Benutzen Sie dieses Gerät nur in trockenen Räumen, setzen Sie es weder Tropf- noch Spritzwasser aus. Stellen Sie keine flüssigkeitsgefüllten Gegenstände auf das Gerät.
Halten Sie Abstand zu Heizungen und Heizstrahlern. Stellen Sie das Gerät nie direkt in die Sonne. Achten Sie auf ausreichende Belüftung, dies gilt insbesondere, wenn das Gerät in eine 19“-Rack eingebaut wird.
Zur Reinigung genügt es, das Gerät hin und wieder mit einem leicht feuchten Tuch abzuwischen. Verwenden Sie bitte auf keinen Fall Löse- und Reinigungsmittel.
Vorsicht! Hohe Lautstärke!
Diese Übertragungsanlage wird von Ihnen professionell eingesetzt. Daher unterliegt der Gebrauch bei gewerblicher Nutzung den Regeln und Vorschriften der zuständigen Berufsgenossenschaft. Adam Hall als Hersteller ist daher verpflichtet, Sie auf möglicherweise bestehende gesundheitliche Risiken ausdrücklich hinzuweisen.

Mit diesem System können Schalldrücke über 85 dB (A) erzeugt werden. 85dB (A) ist der Schalldruck, der laut Gesetz als maximal zulässiger Wert über die Dauer eines Arbeitstages auf Ihr Gehör einwirken darf. Er wird nach den Erkenntnissen der Arbeitsmedizin als Beurteilungspegel zugrunde gelegt. Höhere Lautstärken oder längere Einwirkzeit können Ihr Gehör schädigen. Bei höheren Lautstärken muss die Hörzeit verkürzt werden, um eine Schädigung auszuschließen. Sichere Warnsignale dafür, dass Sie sich zu lange zu lautem Geräusch ausgesetzt haben, sind:

- Sie hören Klingel- oder Pfeifgeräusche in den Ohren!
- Sie haben den Eindruck, hohe Töne nicht mehr wahrzunehmen!

Frequenz Finder / Frequency Finder

Bitte vergessen Sie nicht, die zuständige Lizensierungsbehörde zu kontaktieren, bevor Sie das System in Betrieb nehmen.

Please do not forget to contact the local licensing authorities before putting any system into operation.

Frequencies for:

Belgium

Frequencies (in MHz)	max. RF output (in mW)
181.4 - 184.2	20
202.4 - 205.2	20
518 - 526	20
534 - 542	20
854 - 862	20

Frequencies (in MHz) for users from abroad

- 181.4 - 184.2
- 202.4 - 205.2
- 518 - 526
- 534 - 542
- 854 - 862

Frequencies (in MHz) for studio / MI applications

- 494 - 838

Frequencies (in MHz) for miscellaneous applications

- 494 - 838

Notes

Foreign users may inform at http://www.bipt.be/ 2 months ahead

Czech Rep.

Frequencies (in MHz)	max. RF output (in mW)
176 - 182	50
470 - 822	50

Frequencies (in MHz) for users from abroad

Frequencies (in MHz) for broadcast applications

- 600 - 800

Frequencies (in MHz) for studio / MI applications

- 740 - 772
- 790 - 822

Frequencies (in MHz) for miscellaneous applications

Denmark

Frequencies (in MHz)	max. RF output (in mW)
800 - 820	50
863 - 865 (ISM)	

Frequencies (in MHz) for users from abroad

- For worldwide events freqs. will be allocated

Frequencies (in MHz) for broadcast applications

- 800 - 820

Frequencies (in MHz) for studio / MI applications

- 800 - 820
- 863 - 865 for InEar

Frequencies (in MHz) for miscellaneous applications

- Ch. 70 for permanent installations

France

Frequencies (in MHz)	max. RF output (in mW)
175.5 - 178.5	50
183.5 - 186.5	
470 - 830	

Frequencies (in MHz) for foreign users to apply

- VHF and UHF in compliance to french law

Frequencies (in MHz) for Broadcast

- 470 - 830

Frequencies (in MHz) for Studio / MI

- 470 - 830

Frequencies (in MHz) for miscellaneous applications

- InEar and head-phones: 864

Greece

Frequencies (in MHz)	max. RF output (in mW)
790 - 822	50

Frequencies (in MHz) for users from abroad

- 790 - 822, no official limitations

Frequencies (in MHz) for broadcast applications

- UHF up to 750 MHz

Frequencies (in MHz) for studio / MI applications

- UHF up to 750 MHz

Frequencies (in MHz) for miscellaneous applications

- 450 - 750 MHz

Hungary

Frequencies (in MHz)	max. RF output (in mW)
146 - 149.9	50
216 - 222	50
470 - 862	50

Frequencies (in MHz) for users from abroad

- 146 - 149.9
- 216 - 220
- 470 - 862

Frequencies (in MHz) for broadcast applications

- 470 - 862

Frequencies (in MHz) for studio / MI applications

- 470 - 862

Frequencies (in MHz) for miscellaneous applications

Notes

Foreign users may get preliminary approval from Basys

Italy

Frequencies (in MHz)	max. RF output (in mW)
174 - 223	50
470 - 854	50

Frequencies (in MHz) for users from abroad

- 174 - 223
- 470 - 854

Frequencies (in MHz) for broadcast applications

- 470 - 854

Frequencies (in MHz) for studio / MI applications

- 470 - 854

Frequencies (in MHz) for miscellaneous applications

- 40.980 - 45.0
- Tourguide

Luxemburg

Frequencies (in MHz)	max. RF output (in mW)
All UHF freqs.	50

Frequencies (in MHz) for users from abroad

- All UHF freqs.

Frequencies (in MHz) for broadcast applications

- All UHF freqs.

Frequencies (in MHz) for studio / MI applications

- All UHF freqs.

Frequencies (in MHz) for miscellaneous applications

- All UHF freqs.

Notes

Foreign users may inform at http://www.ilr.lu/ 2 months ahead

Netherlands

Frequencies (in MHz)	max. RF output (in mW)
UHF	50

Frequencies (in MHz) for users from abroad

- none

Frequencies (in MHz) for broadcast applications

- No special frequencies

Frequencies (in MHz) for studio / MI applications

- No special frequencies

Frequencies (in MHz) for miscellaneous applications

Notes

Frequencies for Netherlands

- Channel 21 to 31´
- Channel 41 to 60
- Channel 63
- Channel 64 to 67

All frequencies except Channel 63 have to shared with either analogue or digital TV and therefore wil not work in every part of the country.

- Ch 63 works throughout the country
- Ch. 65/67 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 51/53 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 22/24 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 43/45 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html

Norway

Frequencies (in MHz)	max. RF output (in mW)
41.3 - 43.5	
800 - 820	20

Frequencies (in MHz) for users from abroad

- 800 - 820

Frequencies (in MHz) for broadcast applications

- 800 - 820
- 430 - 470 (reporter+com)

Frequencies (in MHz) for studio / MI applications

- 800 - 820

Frequencies (in MHz) for miscellaneous applications

- 800 - 820
- 863 - 865 (IEM)

Poland

Frequencies (in MHz)	max. RF output (in mW)
174 - 230	10
470 - 864	10

Frequencies (in MHz) for users from abroad

- 174 - 230
- 470 - 864

Frequencies (in MHz) for broadcast applications

- 734 - 822

Frequencies (in MHz) for studio / MI applications

- 598 - 846
- 790 - 822

Frequencies (in MHz) for miscellaneous applications

- 862 - 864 (10W) for ENG

Portugal

Frequencies (in MHz)	max. RF output (in mW)
774 - 822	50

Frequencies (in MHz) for users from abroad

- Depends on application

Frequencies (in MHz) for broadcast applications

- 782 - 806

Frequencies (in MHz) for studio / MI applications

- 774 - 814

Frequencies (in MHz) for miscellaneous applications

- 774 - 814

Spain

Frequencies (in MHz)	max. RF output (in mW)
174.1 - 179.3 863.1 - 863.9	50 10

Frequencies (in MHz) for users from abroad

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for broadcast applications

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for studio / MI applications

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for miscellaneous applications

Notes

470 - 863 MHz is used

Sweden

Frequencies (in MHz)	max. RF output (in mW)
800 - 814	50
863 - 865	

Frequencies (in MHz) for users from abroad

- 800 - 814 usually

Frequencies (in MHz) for broadcast applications

- 800 - 814

Frequencies (in MHz) for studio / MI applications

- 800 - 814
- 838 - 870

Frequencies (in MHz) for miscellaneous applications

- 838 - 870 (IEM)

Notes

Foreign users can apply for any freq. 454-870 MHz

Switzerland

Frequencies (in MHz)	max. RF output (in mW)
174 - 223	50
470 - 862	50
863 - 865	10

Frequencies (in MHz) for users from abroad

- 174 - 223
- 790 - 862
- 863 - 865

Frequencies (in MHz) for broadcast applications

- 470 - 790

Frequencies (in MHz) for studio / MI applications

- No special frequencies

Frequencies (in MHz) for miscellaneous applications

- No special frequencies

Notes

470 - 790 MHz frequencies have to be confirmed by swiss official BACOM (tel.: xx41/323275511)

Haftungsausschluss

Wir haben den Inhalt der Frequenztabellen auf der Grundlage der länderspezifischen Vorschriften und Gesetze erstellt. Dennoch können Abweichungen nicht ausgeschlossen werden, so dass wir für die vollständige Übereinstimmung keine Gewähr übernehmen.
Diese Frequenzangaben werden regelmäßig überprüft und den gesetzlichen Änderungen angepasst.
Updates unter www.adamhall.com

Exclusion of liability

The frequency tables for the Frequency Finder were drawn up on the basis of national laws and regulations. The frequencies are checked on a regular basis, nevertheless, we cannot exclude discrepancies between our frequency suggestions and the frequencies actually approved in a given country. We therefore do not guarantee full compliance with national laws and regulations. Check updates www.adamhall.com

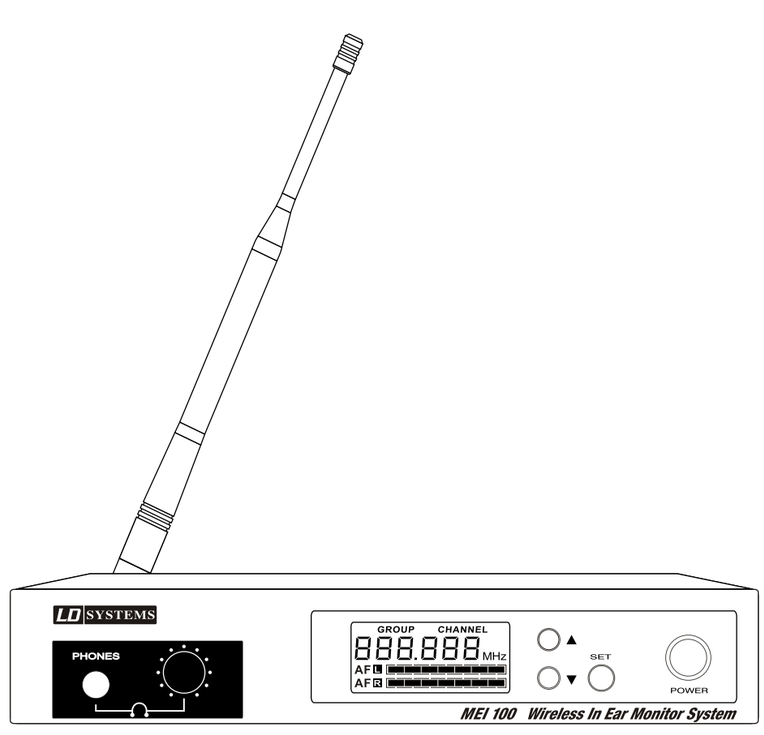
www.adamhall.com

User manual

MEI 100

For Usage in: DE AT CH
For other countries please observe the respective country-specific regulations
Frequenz Finder Inside

Wireless In Ear Monitor System

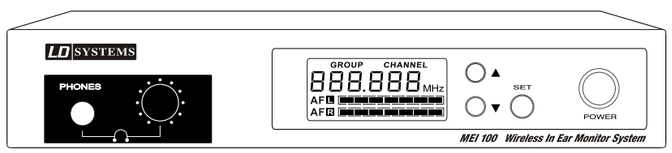


CE 0678 ⓘ

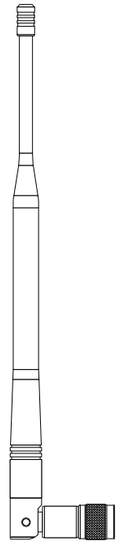
RoHS

Printed in CHINA

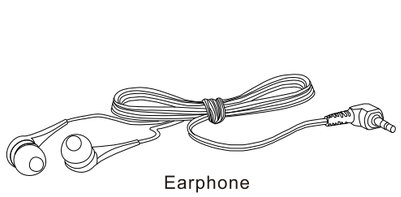
System Parts:



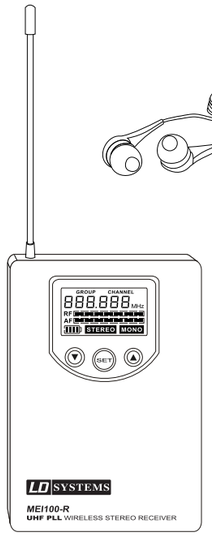
Transmitter



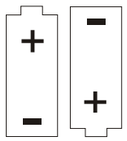
Antenna



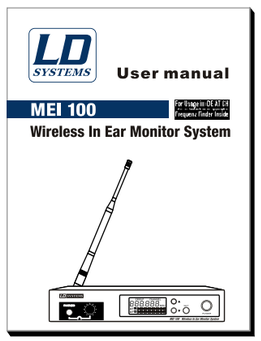
Earphone



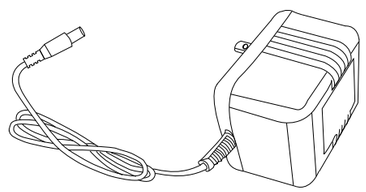
Bodypack Receiver



2"AA" Batteries



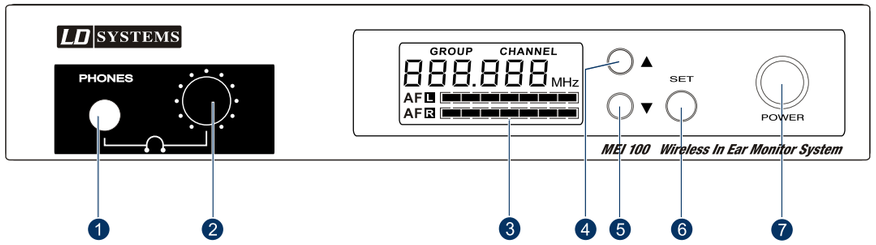
User's Manual



Power

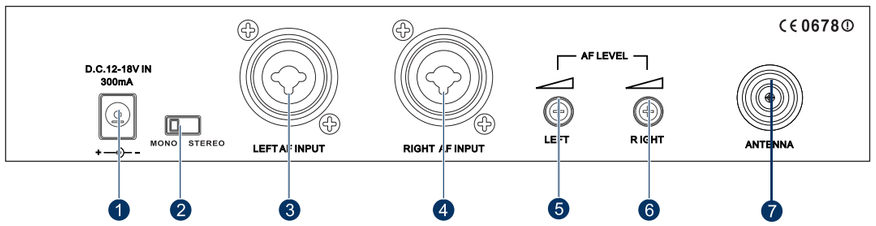
MEI-100 Transmitter Features:

Front Panel:



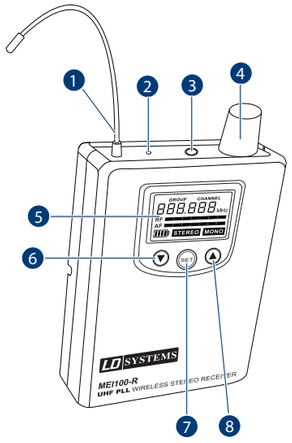
1. Ear jack
2. Monitor audio output level control button
   Left turn for output level decrease, right turn for output level increase.
3. LCD screen
   Please See “system setting” on page 4.
4. Transmitter menu up button
   Please See “system setting” on page 4.
5. Transmitter menu down button
   Please See “system setting” on page 4.
6. Transmitter setup button
   Please See “system setting” on page 4.
7. On/Off switch
   Tap two seconds to turn on, hold to turn off.

Back Panel:



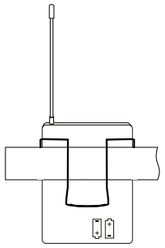
1. AC adapter jack
2. Stereo/Mono switch
   Switch up for stereo radio status, switch down for mono radio status.
3. Left track Combo (XLR + 6.3mm jack socket) input
4. Right track Combo (XLR + 6.3mm jack socket) input
5. Left track audio input level control button
6. Right track audio input level control button
7. Antenna jack A
   50ohm

Bodypack Receiver



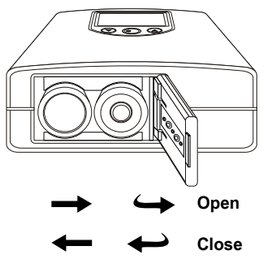
Features:

1. Antenna
2. RF signal LED
   Lights when receives RF signal
3. Ear jack
4. Audio output control and On/Off switch
5. LCD screen
   Please See “system setting ” on page 4.
6. Receiver menu down button
   Please See “system setting ” on page 4.
7. Receiver programming button
   Please See “system setting ” on page 4.
8. Receiver menu up button
   Please See “system setting ” on page 4.



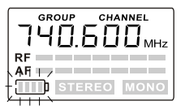
Wearing the Bodypack Receiver

Clip the receiver to a belt For best results, slide the receiver until the belt is pressed against the base of the clip.

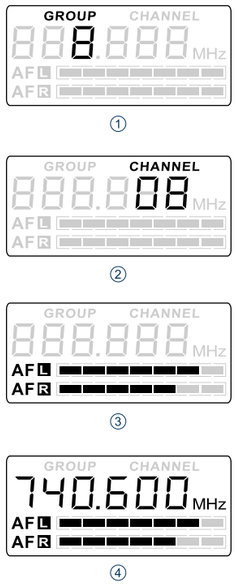


Changing Batteries

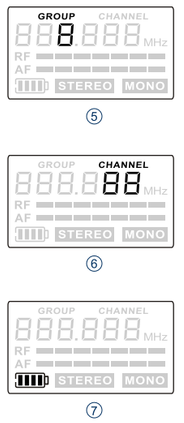
Expected life for two Alkaline batteries are approximately 5 hours. When the LCD panel battery sign is flashing(see below), the batteries should be changed immediately, as shown on the left.



System Setup



Receiver screen



Transmitter Programming:

Select a Group and/or Channel:
Press SET button, while GROUP is flashing, pressing ▲ or button to select a fit group，as shown ①. Then press SET button again, while CHANNEL is flashing, pressing ▲ or▼ butt select a fit channel, as shown ② .

Note: when using multiple system, set all transmitters to the same frequency group for best results, then setup a special channel for each transmitter in the group.

Audio Input Level Display:
Displays left and right track audio input level, as shown③ .

Full Display:
Displays left and right track audio input level and transmitter working frequencies, as shown ④ .

Adjusting audio input level button to let transmitter volume in a fit status.

Bodypack Receiver programming

Select a Group and/or Channel:
Press SET button, while GROUP is flashing, pressing ▲ or button to select a fit group，as shown ⑤. Then press SET button again, while CHANNEL is flashing, pressing ▲ or▼ butt select a fit channel, as shown ⑥ .

Battery Status:
Five level battery status in receiver, as shown ⑦.

Stereo/Mono Working Mode Display:
When receiver receives stereo signal STEREO sign lights or MONO sign lights by automatic, as shown⑧ .

Full Display:
Displays battery status, RF/audio level, stereo/mono working mode and working frequencies, as shown⑨ .

Specifications

System

Frequency Range and Transmitter Output Level

Band : UHF
Frequency Range : 790,850 – 813,800 MHz
Transmitter Output Level: 10dBm

Operating Range Under Typical Conditions

100m
Note：actual range depends on RF signal absorption, reflection, and interference

Audio Frequency Response（+/-3dB）

60Hz～16KHz

Total Harmonic Distortion（+/-30KHz deviation，1KHz tone）

＜1%

Dynamic Range

＞90dB A-weighted

Operating Temperature Range

-10°C to +50°C

Note: battery characteristics may limit this range

Transmitter

RF output level

10dBm

Max Audio input level

+12dBV

Gain Adjustment Range

40dB

Input Impedance

100KΩ

Dimensions

38mm H * 212mm W*96mm D

Weight

605 grams

Power Requirements

12-18 V dc at 300mA，supplied by external power supply

Combi-/XLR input

balanced
Pin1：Ground(cable shield)
Pin2：Audio
Pin3：No Audio
Unbalanced (jack input)　Tip : Ground & Audio

Bodypack Receiver

Audio Output Level

100mW @ 32 Ohms

Sensitivity

-94dBm for 30dB SINAD,typical

Image Rejection

＞55dB

Dimensions

95mm H*65mm W*25mm D

Weight

100 grams（without batteries）

Power Requirements

2 “AA” size alkaline or rechargeable batteries

Battery Life

>8hours

Umwelthinweis

Werfen Sie die mitgelieferten Batterien nicht in den Hausmüll!
Geben Sie entladene Batterien in einen Batteriecontainer oder bei einer Rücknahmestelle für Alt-Batterien ab. Gemeinsam zu einer besseren Umwelt.

Batteries or rechargeable batteries

The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose exhausted batteries. Together for a good nature.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please seperate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

EG-Konformitätserklärung CE 0678
Diese Geräte entsprechen den grundlegenden Anforderungen und den weiteren Vorgaben der Richtlinien 1999/5/EU, 89/336/EU und 73/23/EU. Die Erklärung steht im Internet unter www.adamhall.com zum Download zur Verfügung.

CE Declaration of Conformity CE 0678
This equipment is in compliance with the essential requirement and other relevant provisions of Directives 1999/5/EC, 89/336/ES or 73/23/EC. The declaration is available for donwload on the internet site at www.adamhall.com. Before Putting the device into operation, please observe the respective country-specific regulations!

Déclaration de conformité pour la CEE
Ces appareils sont conformes aux exigencies essentielles et aux autres dispositions pertinentes de les Directives 1999/5/EC, 89/336/EC et 73/23/EC. Vous trouvez cette
declaration dans la internet sous www.adamhall.com. Avant d'utiliser l'appareil, veuillez observer les dispositions légales en vigueur dans votre pays.

Dichiarazione di vonformità UE
I presenti apparecchi sono conformi ai requisiti fondamentali e alle ulteriori prescrizioni delle normative 1999/5/EU, 89/336/UE e 73/23/UE. Il dichiarazione disponibile sul sito Internet
www.adamhall.com. Prima della messa in funzione seguite le prescrizioni vigenti nel paese nel quale viene utilizzato!

Declaración de Conformidad
Este equipo cumple tanto los requisitos esenciales como otras disposiciones de las Directivas 1999/5/CE, 89/336/CE y 73/23/CE. Si desea leer el declaración, visite la página www.adamhall.com. Anterior a la puesta en funcionamiento deberán observarse las correspondientes ordenanzas nacionales!

EU-verklaring van overeenstemming
Deze apparaten voldoen aan de fundamentele eisen en overige voorschriften van de richtlijnen 1999/5/EU, 89/336/EU en 73/23/EU. Het verklaring is op internet onder www.adamhall.com beschikbaar. Voor inbedrijfstelling dient u de afzonderlijke landspecifieke voorschriften in acht te nemen!

Safety instructions

No user serviceable parts inside! Never open the transmitter, otherwise you can receive an electric shock. If units are opened by customers in breach of this instruction, the warranty becomes null and void.
Use the transmitter in dry rooms only. Never expose it to water (eg: never place it in a position where it could be subjected to water splashes). Do not place any objects containing liquids on the top of the unit.
Keep the transmitter away from direct sunlight, central heating radiators, electric heaters and similar sources of heat. Ensure sufficient ventilation, especially when it is mounted into a 19” rack.
Use a damp cloth for cleaning the unit. Do not use any cleansing agents or solvents.

Attention! High Volume!
This is a professional transmission system. Commercial use is subject to the rules and regulations of the trade association responsible. Adam Hall, as the manufacturer, is therefore obliged to expressly point our possible health risks arising from use.

This system is capable of producing sound pressure exceeding 85 dB (A). 85 dB (A) is the sound pressure corresponding to the maximum permissible volume which is by law (in some countries) allowed to affect your hearing for the duration of a working day. It is used as a basis according to the specifications of industrial medicine. Higher volumes or longer durations can damage your hearing. At higher volumes, the duration must be shortened in order to prevent damage. The following are sure signs that you have been subjected to excessive noise for too long a time:

- You can hear ringing or whistling sounds in your ears.
- You have the impression that you can no longer hear high notes.

Frequenz Finder / Frequency Finder

Bitte vergessen Sie nicht, die zuständige Lizensierungsbehörde zu kontaktieren, bevor Sie das System in Betrieb nehmen.

Please do not forget to contact the local licensing authorities before putting any system into operation.

Frequencies for:

Belgium

Frequencies (in MHz)	max. RF output (in mW)
181.4 - 184.2	20
202.4 - 205.2	20
518 - 526	20
534 - 542	20
854 - 862	20

Frequencies (in MHz) for users from abroad

- 181.4 - 184.2
- 202.4 - 205.2
- 518 - 526
- 534 - 542
- 854 - 862

Frequencies (in MHz) for studio / MI applications

- 494 - 838

Frequencies (in MHz) for miscellaneous applications

- 494 - 838

Notes

Foreign users may inform at http://www.bipt.be/ 2 months ahead

Czech Rep.

Frequencies (in MHz)	max. RF output (in mW)
176 - 182	50
470 - 822	50

Frequencies (in MHz) for users from abroad

Frequencies (in MHz) for broadcast applications

- 600 - 800

Frequencies (in MHz) for studio / MI applications

- 740 - 772
- 790 - 822

Frequencies (in MHz) for miscellaneous applications

Denmark

Frequencies (in MHz)	max. RF output (in mW)
800 - 820	50
863 - 865 (ISM)	

Frequencies (in MHz) for users from abroad

- For worldwide events freqs. will be allocated

Frequencies (in MHz) for broadcast applications

- 800 - 820

Frequencies (in MHz) for studio / MI applications

- 800 - 820
- 863 - 865 for InEar

Frequencies (in MHz) for miscellaneous applications

- Ch. 70 for permanent installations

France

Frequencies (in MHz)	max. RF output (in mW)
175.5 - 178.5	50
183.5 - 186.5	
470 - 830	

Frequencies (in MHz) for foreign users to apply

- VHF and UHF in compliance to french law

Frequencies (in MHz) for Broadcast

- 470 - 830

Frequencies (in MHz) for Studio / MI

- 470 - 830

Frequencies (in MHz) for miscellaneous applications

- InEar and head-phones: 864

Greece

Frequencies (in MHz)	max. RF output (in mW)
790 - 822	50

Frequencies (in MHz) for users from abroad

- 790 - 822, no official limitations

Frequencies (in MHz) for broadcast applications

- UHF up to 750 MHz

Frequencies (in MHz) for studio / MI applications

- UHF up to 750 MHz

Frequencies (in MHz) for miscellaneous applications

- 450 - 750 MHz

Hungary

Frequencies (in MHz)	max. RF output (in mW)
146 - 149.9	50
216 - 222	50
470 - 862	50

Frequencies (in MHz) for users from abroad

- 146 - 149.9
- 216 - 220
- 470 - 862

Frequencies (in MHz) for broadcast applications

- 470 - 862

Frequencies (in MHz) for studio / MI applications

- 470 - 862

Frequencies (in MHz) for miscellaneous applications

Notes

Foreign users may get preliminary approval from Basys

Italy

Frequencies (in MHz)	max. RF output (in mW)
174 - 223	50
470 - 854	50

Frequencies (in MHz) for users from abroad

- 174 - 223
- 470 - 854

Frequencies (in MHz) for broadcast applications

- 470 - 854

Frequencies (in MHz) for studio / MI applications

- 470 - 854

Frequencies (in MHz) for miscellaneous applications

- 40.980 - 45.0
- Tourguide

Luxemburg

Frequencies (in MHz)	max. RF output (in mW)
All UHF freqs.	50

Frequencies (in MHz) for users from abroad

- All UHF freqs.

Frequencies (in MHz) for broadcast applications

- All UHF freqs.

Frequencies (in MHz) for studio / MI applications

- All UHF freqs.

Frequencies (in MHz) for miscellaneous applications

- All UHF freqs.

Notes

Foreign users may inform at http://www.ilr.lu/ 2 months ahead

Netherlands

Frequencies (in MHz)	max. RF output (in mW)
UHF	50

Frequencies (in MHz) for users from abroad

- none

Frequencies (in MHz) for broadcast applications

- No special frequencies

Frequencies (in MHz) for studio / MI applications

- No special frequencies

Frequencies (in MHz) for miscellaneous applications

Notes

Frequencies for Netherlands

- Channel 21 to 31´
- Channel 41 to 60
- Channel 63
- Channel 64 to 67

All frequencies except Channel 63 have to shared with either analogue or digital TV and therefore wil not work in every part of the country.

- Ch 63 works throughout the country
- Ch. 65/67 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 51/53 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 22/24 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html
- Ch. 43/45 share with DVB-T please check www.agentschap-telecom.nl/dav/index.html

Norway

Frequencies (in MHz)	max. RF output (in mW)
41.3 - 43.5	
800 - 820	20

Frequencies (in MHz) for users from abroad

- 800 - 820

Frequencies (in MHz) for broadcast applications

- 800 - 820
- 430 - 470 (reporter+com)

Frequencies (in MHz) for studio / MI applications

- 800 - 820

Frequencies (in MHz) for miscellaneous applications

- 800 - 820
- 863 - 865 (IEM)

Poland

Frequencies (in MHz)	max. RF output (in mW)
174 - 230	10
470 - 864	10

Frequencies (in MHz) for users from abroad

- 174 - 230
- 470 - 864

Frequencies (in MHz) for broadcast applications

- 734 - 822

Frequencies (in MHz) for studio / MI applications

- 598 - 846
- 790 - 822

Frequencies (in MHz) for miscellaneous applications

- 862 - 864 (10W) for ENG

Portugal

Frequencies (in MHz)	max. RF output (in mW)
774 - 822	50

Frequencies (in MHz) for users from abroad

- Depends on application

Frequencies (in MHz) for broadcast applications

- 782 - 806

Frequencies (in MHz) for studio / MI applications

- 774 - 814

Frequencies (in MHz) for miscellaneous applications

- 774 - 814

Spain

Frequencies (in MHz)	max. RF output (in mW)
174.1 - 179.3 863.1 - 863.9	50 10

Frequencies (in MHz) for users from abroad

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for broadcast applications

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for studio / MI applications

- 174.1 - 179.3
- 863.1 - 863.9

Frequencies (in MHz) for miscellaneous applications

Notes

470 - 863 MHz is used

Sweden

Frequencies (in MHz)	max. RF output (in mW)
800 - 814	50
863 - 865	

Frequencies (in MHz) for users from abroad

- 800 - 814 usually

Frequencies (in MHz) for broadcast applications

- 800 - 814

Frequencies (in MHz) for studio / MI applications

- 800 - 814
- 838 - 870

Frequencies (in MHz) for miscellaneous applications

- 838 - 870 (IEM)

Notes

Foreign users can apply for any freq. 454-870 MHz

Switzerland

Frequencies (in MHz)	max. RF output (in mW)
174 - 223	50
470 - 862	50
863 - 865	10

Frequencies (in MHz) for users from abroad

- 174 - 223
- 790 - 862
- 863 - 865

Frequencies (in MHz) for broadcast applications

- 470 - 790

Frequencies (in MHz) for studio / MI applications

- No special frequencies

Frequencies (in MHz) for miscellaneous applications

- No special frequencies

Notes

470 - 790 MHz frequencies have to be confirmed by swiss official BACOM (tel.: xx41/323275511)

Haftungsausschluss

Wir haben den Inhalt der Frequenztabellen auf der Grundlage der länderspezifischen Vorschriften und Gesetze erstellt. Dennoch können Abweichungen nicht ausgeschlossen werden, so dass wir für die vollständige Übereinstimmung keine Gewähr übernehmen.
Diese Frequenzangaben werden regelmäßig überprüft und den gesetzlichen Änderungen angepasst.
Updates unter www.adamhall.com

Exclusion of liability

The frequency tables for the Frequency Finder were drawn up on the basis of national laws and regulations. The frequencies are checked on a regular basis, nevertheless, we cannot exclude discrepancies between our frequency suggestions and the frequencies actually approved in a given country. We therefore do not guarantee full compliance with national laws and regulations. Check updates www.adamhall.com