



WCM-16

ORDERCODE D1455



Highlite International B.V.

Vestastraat 2
6468 EX Kerkrade
The Netherlands

SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DAP Audio.

The DAP Audio WCM-16 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

You can rely on DAP Audio, for more excellent audio products.

We design and manufacture professional audio equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: iwant@dap-audio.info

You can get some of the best quality, best priced products on the market from DAP Audio.

So next time, turn to DAP Audio for more great audio equipment.

Always get the best -- with DAP Audio !

Thank you!



DAP Audio

DAP Audio WCM-16™ Product Guide

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Warning



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

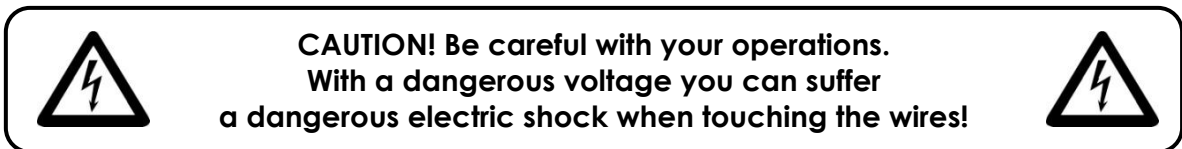
Your shipment includes:

- 1 DAP WCM-16
- This user manual

Safety Instructions

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual



Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non observance of this manual or any unauthorized modification to the system.

- Never remove warning or informative labels from the unit.
- Never leave any cables lying around.
- Do not open the device and do not modify the device.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not drive the inputs with a signal level bigger, than required to drive the equipment to full output.
- Only use device indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Make sure you don't use the wrong kind of cables or defective cables.
- Please turn off the power switch, when changing the power cord or signal cable, or select the input mode switch.

- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- If your Dap Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Dap Audio dealer for service.
- Repairs, servicing and electric connection must be carried out by a qualified technician.

Operating Determinations

If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, etc.

Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the device. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack the device, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a device is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

Wireless condenser microphone for camera system. This microphone has 16 switchable frequencies and can be used together with the WCA Pack. It needs 2 AA batteries and has an excellent sound quality. The gain is adjustable below the capsule and the frequency can be set inside the battery case.

- 16 Selectable frequencies
- Frequency range 863 – 865Mhz
- Designed for the wireless camera system
- Powered by 2 AA batteries.
- Cardoid pattern.

Overview



Fig. 1

1. Microphone head
2. Display
3. Power/mute switch
4. Battery compartment
5. Gain trimmer
6. Set button

Set Up and Operation

Before turning the WCM-16 on, always make sure that the frequency matches your country.

Placing the batteries

1.



2.



- 1) Unscrew and remove the **battery compartment cover (4)** from the back.
- 2) Place the batteries. Pay attention to the polarity of the batteries and put them in correctly.
- 3) Push the **power/mute (3)** button to turn the microphone on.

Selecting the channel

1.



2.



6

- 1) Unscrew and remove the **battery compartment cover (4)** from the back.
- 2) Push and hold the **set(6)** button until the point in the display starts blinking.
Push the **set(6)** button to select the desired channel.
If the **set(6)** button is not pushed for 3 seconds, the current channel is stored.

Be aware that when you are using several WCM microphones at the same stage, that each channel should be separated by at least 4 channels. When using 4 WCM microphones, you could use following settings:

WPS	Channel	WPS	Channel	WPS	Channel	WPS	Channel	WPS	Channel
1	0	1	1	1	2	1	3	1	4
2	4	2	5	2	6	2	7	2	8
3	8	3	9	3	10	3	11	3	12
4	12	4	13	4	14	4	15	4	16

Changing the sensitivity of the microphone

1.



2.



- 1) Unscrew the **microphone head (1)**.
- 2) Adjust the **gain (5)** trimmer with a small screwdriver.

Tips for achieving maximum performance.

- Make sure you can always see the receiver from the transmitter position.
- Keep the distance from transmitter to receiver as short as possible.
- Avoid placing the receiver near metal surfaces and obstructions.
- Replace battery as soon as low battery LED lights.
- If Perform a walk-through before performance or presentation. If dead spots are found, adjust the location of the receiver. If dead spots remain, mark the dead spots and avoid them.

Approval

The DAP D1455 is a Class II wireless device.

Frequency: 863 – 865MHz. For use in:

Austria, Belgium, Czech Republic, Denmark, France, Germany, Hungary, Italy, Luxemburg, Netherlands, Poland, Portugal, Romania, Slovakia, Sweden, Switzerland, Turkey, United Kingdom.

Exclusion of liability

The frequency tables in this publication are made according to national laws and regulations. The frequencies are checked on a regular basis. We don't take any responsibility for eventual discrepancies between our listed frequencies and the frequencies actually approved in a given country. We strongly suggest you to inform in your own country or region for any changes or adaptations regarding the allowed frequencies.

Be aware that in some countries, you are only allowed to partly use the frequency range of the device. Therefore, we strongly advise you to consult your authority as listed below:

Telecoms & Postal Regulatory Authorities in Europe

Austria Rundfunk und Telekom Regulierungs-GmbH	www.rtr.at
Belgium Belgian Institute of postal services and telecommunications (BIPT)	www.bipt.be
Czech Republic Czech Telecommunication Office	www.ctu.cz
Denmark National Telecom Agency	www.tst.dk
Finnland Finnish Communications Regulatory Authority (FICORA)	www.ficora.fi
France Autorité de Régulation des Télécommunications (ART)	www.art-telecom.fr
Germany Die Bundesnetzagentur	www.bundesnetzagentur.de
Greece National Telecommunications Commission (EET)	www.eett.gr
Hungary Communication Authority (HIF)	www.hif.hu
Iceland Post and Telecom Administration (PTA)	www.pta.is
Ireland Commission for Communications Regulation (ComReg)	www.comreg.ie
Italy Italian Communications Authority (AGC)	www.agcom.it
Latvia Telecommunication State Inspection	www.vei.lv
Liechtenstein Office for Communications (AK)	www.ak.li
Lithuania Radio Administration	www.rtt.lt
Luxembourg Institut Luxembourgeois des Télécommunications (ILT)	www.etat.lu/ILT
Netherlands Onafhankelijke Post en Telecommunicatie Autoriteit (OPTA)	www.opta.nl
Agentschap Telecom	www.agentschap-telecom.nl
Ministry of Economic Affairs	www.ez.nl
Norway Norwegian Post and Telecommunications Authority (NPT)	www.npt.no
Poland Urząd Regulacji Telekomunikacji (URT)	www.urt.gov.pl
Portugal Autoridade Nacional De Comunicações (ICP-Anacom)	www.anacom.pt
Slovenia Agencija za telekomunikacije, radiodifuzijo in pošto	www.atrp.si



DECLARATION OF CONFORMITY

Supplier Details

Name

Highlite International BV

Address

Vestastraat 2
6468EX Kerkrade
The Netherlands

Product Details

Product Name

WCM 16 Wireless condenser microphone

Ordercode

D1455

Trade Name

DAP AUDIO

Applicable Standards Details

R&TTE Directive : 1999/5/EC

Radio Spectrum Matter: EN 300 422-2 V1.2.2:2008-3

Emmission/Immunity: EN 301 489-1 V1.8.1:2008-04
EN 301 489-9 V1.4.1:2007-11

Safety Directive : 2001/95/EC

EN 60065:2002+A1:2006+A11: 2008

Supplementary Information

The conformity to above standards is verified by ETC.

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

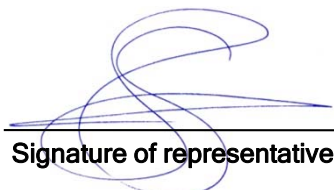
Name

S. ildiz

Issued Date

Sep. 20, 2012

Highlite International BV.
Vestastraat 2, 6468 EX Kerkrade,
The Netherlands


Signature of representative

Maintenance

The DAP Audio WCM-16 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

DAP Audio WCM-16

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, set the switch on the WCM-16 in OFF position.
2. Check the batteries, etc.
3. If all of the above appears to be O.K., Set the switch in ON position.
4. If you are unable to determine the cause of the problem, do not open the WCM-16, as this may damage the unit and the warranty will become void.
5. Return the WCM-16 to your DAP Audio dealer.

Product Specification

RF Output:	Maximum 10mW
Display:	Channel
Controls:	Power On/Off, Mute, Gain, Channel select
Frequency response:	40-16.500 Hz
Battery:	2 x AA 1.5V (not included)
Length:	265mm
Diameter:	45mm
Weight:	0.22 Kg



Design and product specifications are subject to change without prior notice.



Website: www.Dap-audio.info
Email: service@highlite.nl



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