

Addendum to LCS Manual K5.52423.0

UMC-3A K2.65000.A

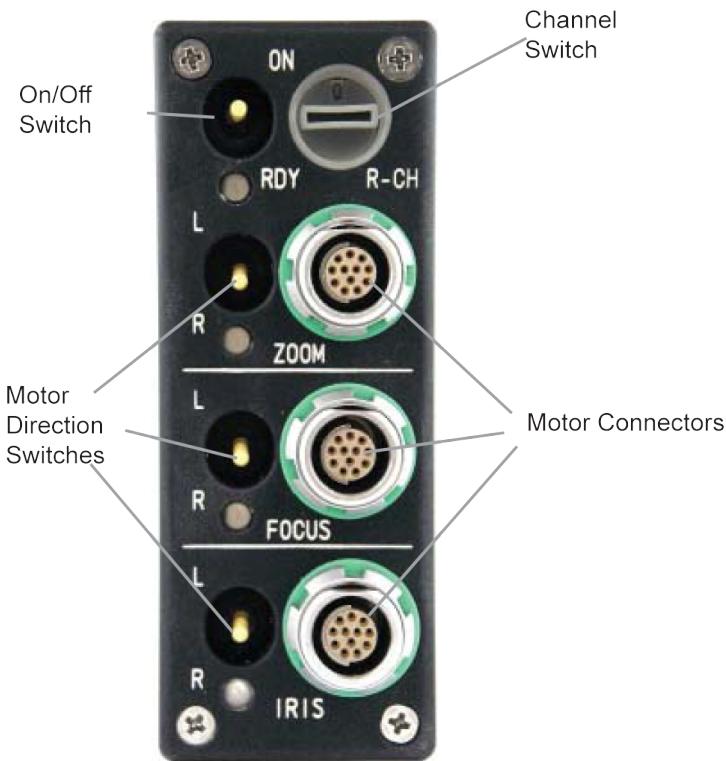
The UMC-3A, as a successor of the UMC-3, features constant lens motor speed over a much wider power supply range.

A built-in power booster guarantees constant internal motor supply voltage from 11 to 26 volts power supply input.

The new model is thus well equipped not only for movie camera lens control but also for the special demands of professional video production.



Connectors and Controls



- ⇒ The **ON/OFF Switch** turns-on/off the UMC-3A.
- ⇒ The **Channel Switch** is used to separate more than one radio system on a set. Channel numbers on UMC-3A and WMU-2/-3 must be the same to achieving a radio connection. For more details refer to the LCS Manual.
- ⇒ The **Motor Direction Switch** reverses the motor rotation of the respective motor (Iris/Zoom/Focus).
- ⇒ The **Motor Connector** interfaces to CLM-2 and CLM-3 lens motors (Iris/Zoom/Focus).
- ⇒ The radio connection is established via the antenna connected to the **Antenna Connector**. Do not leave the connector open during operation or transport. The radio module inside could be damaged by electrostatic discharge via the open connector. In case the radio operation is not applicable, use the WC-A2/3 cables to connect to WMU-2/-3.
- ⇒ The **Aux Connector** is basically used to connect Cooke S4i lenses or Cinetape Measures.
- ⇒ The **LDD Connector** interfaces the Lens Data Display to the UMC-3A.
- ⇒ The **LCS Connector** is used to interface to all ARRI LCS devices.
- ⇒ The **Cam Connector** connects the UMC-3A to a camera or a power supply / battery.

Accessories

- 05.20112.0 Antenna
K2.52080.0 Adapter UMC 3/8"
toolless mounting/dismounting bracket with 3/8" bolts each side
K4.72278.W White radio Upgrade Kit
includes new radio module, white washer, stickers (UMC-3 software packet 04C recommended)

Control cables

Cable no. ARRI order no Description

KC 96-S	K2.65012.0	UMC-3/AUX Cooke S4i lens (0,4m/1,2ft) KC-96-S Connects AUX socket on UMC-3 to Cooke S4i lenses. Functions: transfers lens data from Cooke S4i lenses
KC 97-S	K2.65013.0	UMC-3 to 235 Cable (0,4m/1,2ft) KC-97-S Connects CAM socket on UMC-3 to REMOTE socket on ARRIFLEX 235 or 416. Functions: RUN/STOP trigger, RUN indication, ASYNC indication, camera remote control with WRC-2
KC 98-S	K2.65014.0	UMC-3 to RS Cable (0,5m/1,7ft) KC-98-S Connects CAM socket on UMC-3 to RS socket on ARRI cameras. Functions: RUN/STOP trigger, RUN indication, ASYNC indication
KC 99-S	K2.65015.0	UMC-3 to CAM Cable (1m/3ft) KC-99-S "Y" cable that connects CAM socket on UMC-3 to ACC and CCU socket on ARRIFLEX 535, 535B, 435ES, 435 Advanced (with FEM-1 or FEM-2), 435 Xtreme and all 16 SR 3 models. Functions: RUN/STOP trigger, RUN indication, ASYNC indication, camera remote control with WRC-2
KC 103-S	K2.65034.0	UMC-3 to MOVIECAM Cable (0.5m/1.5ft) KC 103-S "Y" cable that connects CAM socket on UMC-3 to 24V SERVICE (2 pin accessory power) and REMOTE socket on MOVIECAM cameras. Functions: RUN/STOP trigger. Cannot carry WRC-2 camera control signals.
KC 104-S	K2.65035.0	UMC-3 to XTR Cable (0.5m/1.5ft) KC 104-S Connects CAM socket on UMC-3 to 8 pin LEMO socket on Aaton XTR. Functions: RUN/STOP trigger, RUN indication. Cannot carry WRC-2 camera control signals.

Cable no. ARRI order no Description

KC 108-S	K2.65042.0	UMC-3 to 11 pin Fischer Cable (0.5m/1.5ft) Connects CAM socket on UMC-3 to 11 pin Fischer (12 V supply) socket on many older (black) ARRI cameras and all models of 435. Functions: RUN/STOP trigger, RUN indication. Cannot carry WRC-2 camera control signals.
KC 110-S	K2.65057.0	UMC-3 to Fujinon ENG lens cable Y-Cable connects to ports on handgrip motor of Fujinon ENG lens. Allows for remote control of focus, iris and zoom using ARRI WRS control units, as well as camera RUN/STOP. Cable-to-lens connectors via special right-angle plugs to clear lightweight support rods.
KC 113-S	K2.65060.0	UMC-3 to A-Minima Cable (0.5m/1.5ft) Connects CAM socket on UMC-3 to 6 pin LEMO socket on Aaton A-Minima. Functions: RUN/STOP trigger, RUN indication. Cannot carry WRC-2 camera control signals. Also connects CAM socket on UMC-3 to 6 pin LEMO socket on Aaton XTR. Functions: RUN/STOP trigger.
KC 116-Sp-S	K2.65063.0	UMC-3/AUX CTM Lemo 6p (Spiral) Connects AUX socket to Cine Tape Measure units
KC 118-S	K2.65074.0	UMC-3 to Canon ENG lens cable KC-118-S Connects to port on handgrip motor of Canon ENG lens. Allows for remote control of focus, iris and zoom using ARRI WRS control units, as well as camera RUN/STOP. Cable-to-lens connectors via special right-angle plugs to clear lightweight support rods.
KC 119-Sp-S	K2.65066.0	UMC-3/CAM CTM Lemo 6p (Spiral) - available on request Connects CAM socket to Cine Tape Measure units, power supply via LCS connector
K-LC-Z1-S	K4.41395.0	ARRI LCS cable 3,5m (11ft)
K-LC-M1-Sp-S	K4.41397.0	ARRI LCS spiral cable
WC-A2-S	K2.52096.0	Antenna Separation Cable (3m) used for distant antenna mounting
WC-A3-S	K2.52263.0	Antenna to Antenna Connection (15m) used for cable connection of ARRI wireless equipment via antenna sockets
K-UMC3-ALEXA	K2.65239.0	UMC-3(A) to ALEXA (EXT) connection CLM-2/CLM-3/CLM-4 lens motors and camera control, camera status transmission 0,8m(2.5ft)
K-UMC3-DTAP	K2.65187.0	UMC-3 to Anton Bauer Power-TAP Video supply 0,7m (2ft)
K-UMC3-EPIC	K2.65270.0	UMC-3(A) to RED EPIC® Camera with ARRI PSC universal power supply connector UMC-3(A) controls REC ON/OFF, reports the EPIC REC state (REC TALLY) to the wireless hand unit (WMU-2/-3, WCU-3/-4

ARRI PSC cables

A number of cables are available with a **Power System Connector**. This system allows power supply from various power sources with the same control cable.

Control cables "PSC"

Cable	ARRI order no.	Description
K-UMC3-RED PSC	K2.65186.0	UMC 3A control cable for RED cameras - PSC type (0,7m/2ft) For drive of up to three CLM-2/-3 lens motors. Video camera RUN/STOP and REC-Tally is supported. Recommended power supply cable for UMC 3A: K-PSC-DTAP K2.65208.0
K-UMC3-Video replaces KC111-S	K2.65204.0 K2.65058.0	UMC 3A control cable for Video Cameras with 12p Hirose connector - PSC type (0,7m/2ft) For drive of up to three CLM-2/-3 lens motors. Video camera RUN/STOP is supported. Recommended power supply cable for UMC 3A: all PSC power cables
K-UMC3-SONY F35 replaces KC107-S	K2.65205.0 K2.65041.0	UMC 3(A) control cable for SONY F23/F35 - PSC type (0,7m/2ft) or drive of up to three CLM-2/-3 lens motors. Video camera control is supported. Recommended power supply cable for UMC 3(A): K-PSC-FI11 K2.65210.0
K-UMC3-PSC replaces KC109-S	K2.65214.0 K2.65053.0	UMC-3(A)/CAM to PSC connector (0,7m/2ft) Power supply, CAN control or R/S, dependent on selected PSC power cable

Special Cables

K-EPIC-SYNC-BREAKOUT	K2.65275.0	Y-cable for use with K-UMC3-EPIC K2.65270.0, when the SYNC port must be available
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Power cables "PSC"

Cable	ARRI order no.	Description	Length
K-PSC-XLR3	K2.65206.0	connects to 24volts+ camera battery (pin1 "MINUS"!)	1,5m/5ft
K-PSC-XLR4	K2.65207.0	connects to 12volts camera battery	1,5m/5ft
K-PSC-DTAP	K2.65208.0	connects to Anton Bauer D-TAP socket	0,6m/2ft
K-PSC-HI12	K2.65209.0	connects to Hirose HR10/12pin socket, RUN/STOP function provided recommended for 1x CLM-2 only, check power capability of receptacle prior to usage	0,6m/2ft
K-PSC-FI11	K2.65210.0	connects to all ARRIFLEX 435, SONY F23/F35	0,6m/2ft
K-PSC-RS	K2.65211.0	connects to ARRI RS socket, RS function provided	0,6m/2ft
K-PSC-FI2	K2.65212.0	connects to ARRI OBB-2 battery	1,5m/5ft
K-PSC-LCS	K2.65213.0	connects to ARRI LCS-bus, CAN control provided	0,6m/2ft

Technical Data

Supply voltage:	11 .. 30 volts (full motor speed)
Current consumption:	155 mA@24V supply no load 310 mA@12V supply no load
Dimensions (L x W x H):	114 x 34 x 87mm (w/o antenna) 4.5 x 1.4 x 3.4 in (w/o antenna)
Weight:	330 g (11.6 oz)
Software packet:	UMC3_03B or later

Information to the user:

Class A Statement:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with the Canadian ICES-003 Class A specifications.
Cet appareil numérique de la Class A est conforme à la norme NMB-003 du Canada.

Declaration of Conformity

We, Manufacturer
ARRI CINE + VIDEO GERÄTE GmbH
Pottendorferstraße 25-27/3/2/1
A-1120 Wien
declare that the product
Wireless Control Unit

UMC-3A

is in conformity with

DIN EN 55103-1: 1997-06
DIN EN 55022:2003-09 Class B
DIN EN 55103-2: 1997-06

DIN EN 61000-4-2:2001-12
DIN EN 61000-4-3:2003-11

DIN EN 60065: 2003-01

additional Certification of built in RF-modem AC4424I-100

EN 300 328-1 V1.3.1: 2001-12
EN 300 328-2 V1.2.1: 2001-12

EN 301 489-1 V1.3.1: 2001-09
EN 301 489-17 V1.1.1: 2000-09
FCC Rule Parts 15 C

Date:
2008-07-07

Signature



Ing. Walter Trauninger

UMC-3A WHITE marked

Modular Certification of built in RF-modem ARRI EMIP100

EN 300 328 V1.7.1: 2006-10
EN 301 489-1 V1.8.1: 2008-04
EN 301 489-17 V2.1.1: 2009-05
FCC CFR 47 Part 15: 10-2009
Listed under FCC ID: Y7N-EMIP100

RSS-Gen Issue 2: June 2007
RSS-210: Issue 7: June 2007
Listed under IC: 9482A-EMIP100

ARRI Service Contacts

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	Monday – Friday: 09:00 – 18:00 (CET)	Rome, Italy ARRI Italia S.r.l.	service@arri.it	+39 335 749 00 70
	Monday – Saturday 09:00 – 18:00 (MSK)	Moscow, Russia Bars-Pro Ltd.	arri@bars-pro.ru	+7 (495) 415-98-13 +7 (495) 415-98-14 +7 (495) 415-98-15
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UMC-3A LCS Manual Addendum

Subject to alterations due to technical advances.

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