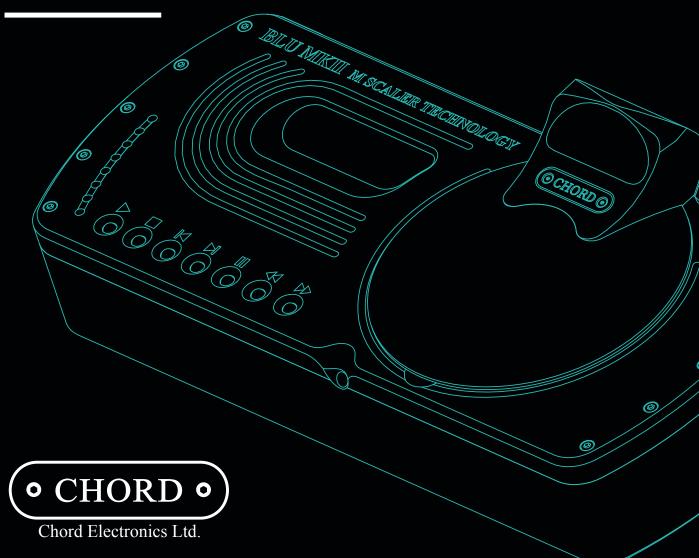
Blu MkII

Upscaling digital/CD transport



01 Getting started with BLU MKII

The BLU MKII is a highly advanced hand-made digital/CD transport, precision engineered to the highest standards. Please take a moment to familiarise yourself with the various features of the device to ensure you get to enjoy the full range of performance



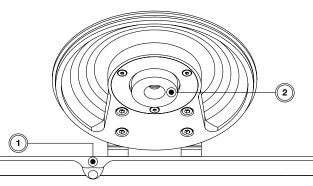
To open the CD lid, locate the knuckle at the rear and gently lever the sprung mechanism in a fluid downward motion (never apply force). Gently use the knuckle to lever the lid to close

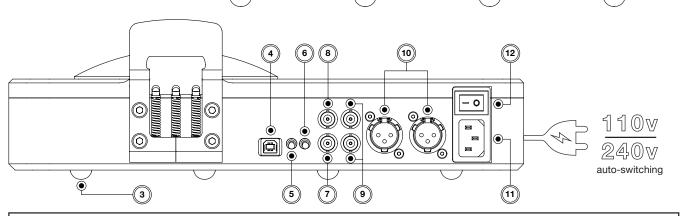


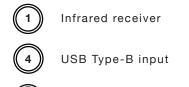
For optimal performance, do not cover the infrared receiver (1) or place BLU MKII within cabinets or enclosures



BLU MKII may get warm. To avoid overheating please keep the device in a well ventilated environment. We recommend using our dedicated Choral Ensemble equipment support.







- 7 BNC output

 10 Dual data AES output
- 2 Magnetised CD puck
- 5 Sample rate switch
- 8 BNC input
- Mains IEC input

- 3 Non-slip rubber feet
- 6 Dither selection switch
- 9 Dual data BNC output
- On/off rocker switch



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1m USB Type-B cable

Mains IEC cable

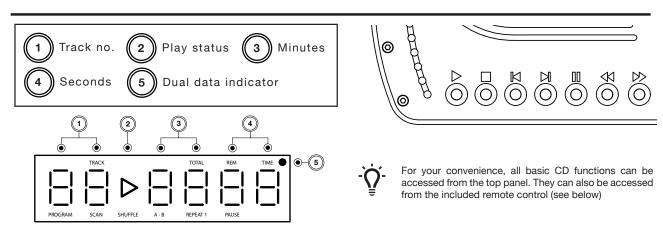
Infrared remote control



Inventory

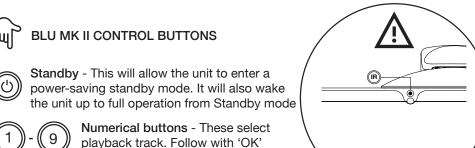
THIS PRODUCT EMPLOYS A LASER THAT EMITS BOTH VISIBLE AND INVISIBLE RADIATION. REMOVAL OF THE TOP COVER OR TAMPERING WITH THE CLOSURE MECHANISM OR ANY OF THE ENCLOSED ELECTRONICS, MAY RESULT IN EXPOSURE TO HAZARDOUS LEVELS OF LASER RADIATION THAT COULD CAUSE EYE AND SKIN DAMAGE. TO PREVENT INJURY IN THE EVENT OF MALFUNCTION, THIS PRODUCT SHOULD BE RETURNED TO YOUR ORIGINAL DEALER FOR A QUALIFIED SERVICE. THERE ARE NO USER-SERVICEABLE COMPONENTS WITHIN BLU MKII

02 Display and basic operation



03 Getting to know the remote control

We have included a comprehensive infrared remote control that allows you to access additional features that cannot be accessed via the top panel, such as shuffle, repeat, time modes etc. Additionally, the remote has the added benefit of being able to natively control DAVE and other Chord Electronics' separates.



Shuffle - Tracks will playback in a random order until all have been cycled once

Time - By default, the time elapsed will appear on the display. To cycle between time elapsed, total time and time remaining, continue pressing the 'TIME' button until desired display is shown

Repeat - This function allows you to repeat a whole album or a single track. Pressing 'REP' once will display 'REPEAT' on the display and will repeat the whole album. Pressing 'REP' a second time will display 'REPEAT 1' on the display and repeat the current track. Pressing 'REP' a third time will cancel all programmed repeats







Plays the track

Pauses the track

Stops all playback





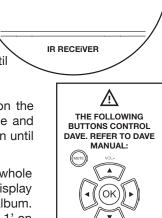


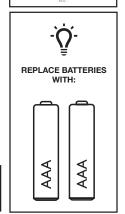
Fast-forward/rewind

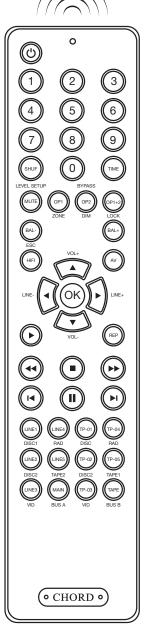
Skips a track



IF BLU MK II DOES NOT RESPOND TO REMOTE CONTROL INPUT, PLEASE REPLACE THE BATTERIES. ONLY USE BATTERIES OF THE SAME TYPE. DO NOT MIX OLD AND NEW CELLS

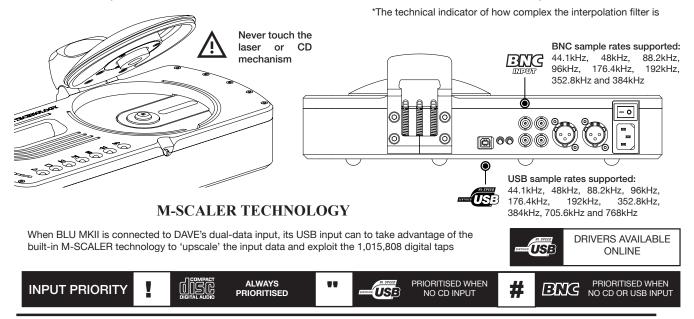






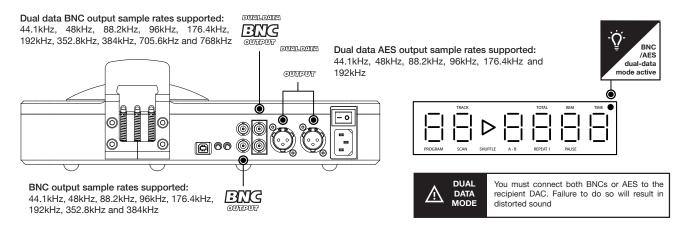
04 CD playback, input options and specifications

The BLU MKII uses the legendary Philips CD Pro 2 mechanism for high-quality tracking and data recovery. Combined with Robert Watts' latest M-SCALER technology, BLU MKII benefits from 1,015,808 taps* and can extract 16x the resolution of a conventional 44.1kHz compact disc.



05 Output options and specifications

BLU MK II can output up to a 384kHz data stream using its single BNC output, a total of 192kHz via the dual AES outputs, or 768kHz by using the dual BNC outputs. You can pair Blu MK II with any DAC that accepts a 384kHz BNC input, but we recommend pairing BLU MKII with a Chord Electronics DAC such as DAVE or Hugo 2, to accept the full 768kHz signal.

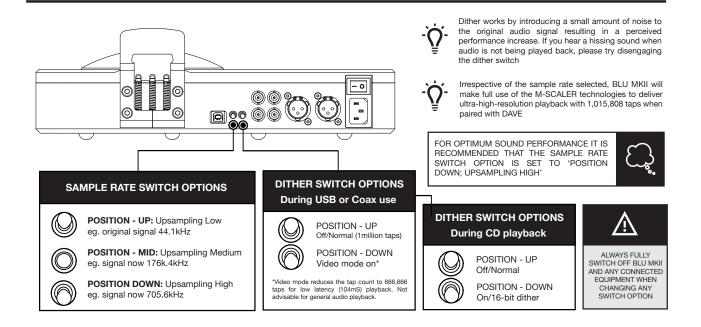


When BLU MKII is in operation, all outputs are active. You can connect BLU MKII to multiple devices, however, it is recommended that only one is connected. When switched off, some DACs can short out the connection creating a conflict and potentially inhibiting playback.



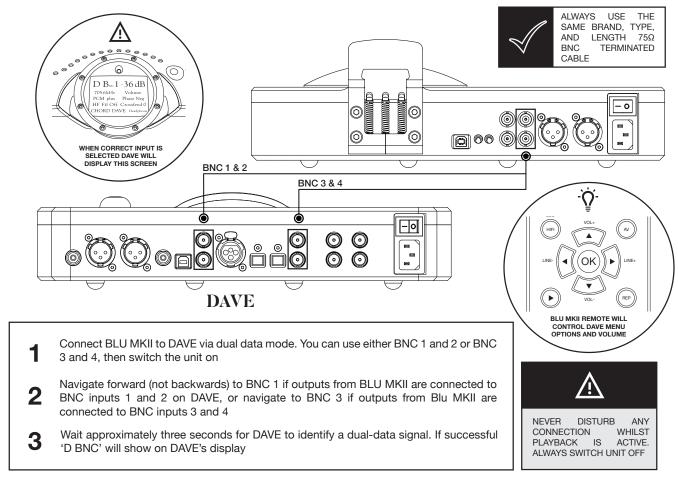
BLU MKII uses BNC terminations as standard, although not advised for maximum performance a BNC-to-coaxial adapter can be used. Please note that for the maximum sample rate to be transmitted from BLU MKII to your DAC you must use a high-quality shielded 75Ω interconnect. We advise keeping your interconnect length to a minimum, preferably with a 1m maximum and purchasing a matched pair.

06 Dither and sample rate switch options



07 Installation with DAVE

Whether used as a CD transport, or as a digital upscaler, BLU MKII is the perfect companion for DAVE and connecting the two is easy. Please make sure that before you embark on this next step, DAVE is switched off at the mains.



08 Powering up and placement

After making all connections and selecting both the appropriate dither and sample rate, power up the BLU MKII by locating the rocker switch at the rear of the device and firmly press to 'ON' or 'I'

PLACEMENT



KEEP BLU MKII OFF OF CARPET AND SOFT SURFACES

ALWAYS ALLOW THE

UNIT TO BE WELL

VENTILATED



ALWAYS KEEP AWAY FROM SOURCES OF HEAT AND DIRECT SUNLIGHT



FOR OPTIMAL PERFORMANCE WE RECOMMEND PURCHASING THE ENSEMBLE STAND



Use the included remote control to place BLU MKII into standby or wake





Due to the enormous FPGA processing capabilities of the BLU MKII the unit may get warm during operation



Although BLU MKII can be permanently left on for convenience, as a minimum it is recommended that when not in use you allow the device to enter standby mode. For longer periods of inactivity, the device should be switched off via the rocker switch on the rear. Manually switching off the device will not affect performance during use.

09 Important information

CARE OF YOUR UNIT



NEVER ALLOW BLU MKII TO COME INTO CONTACT WITH LIQUIDS.



NEVER POKE OBJECTS INTO THE CONNECTORS OR HOUSING



NEVER SPRAY CLEANER OR LIQUIDS ONTO BLU MKII



ONLY USE A CLEAN DRY MICROFIBRE CLOTH TO CLEAN BLU MKII

USB DRIVERS



BLU MKII's high-resolution USB input is natively compatible with Apple Macintosh and Linux based operating systems - no drivers are required.

operating



systems you must have Windows 7 and above and you must download the drivers available from the product page of the chordelectronics.co.uk website.

HANDMADE

ENGLAND

Windows

BLU MKII comes with a comprehensive 5-year warranty, covering parts and labour, from the date of purchase. To activate this warranty please register your purchase via the Chord Electronics website:

WARRANTY REGISTRATION

chordelectronics.co.uk/regi ster-product







THERE ARE NO USER SERVICEABLE PARTS INSIDE BLU MKII. IN THE EVENT OF A FAULT, RETURN UNIT TO YOUR DEALER FOR A SERVICE.

10 Specifications

Digital inputs: CD, USB Type-B, and BNC S/PDIF

Digital outputs: AES (176.4kHz), BNC S/PDIF (384kHz), and DUAL BNC S/PDIF galvanically isolated

Frequency response: DC to $20kHz \pm 0.0000001dB$ In-band ripple DC to 20kHz: DC to $20kHz \pm 0.0000002dB$

Stop band rejection: -135dB

THD and noise 24-bit input: -144dB (defined by input)
WTA tap-length, 16FS filter: 1,015,808 taps
Dimensions: 335mm x 105mm x 170mm (WxHxD)

Weight: 7kg



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