VAN MEDEVOORT

C T 4 6 0

INSTRUCTION MANUAL

<u>vM INSTRUCTION MANUAL</u>

Thank you for having bought this Van Medevoort product. We wish you many happy listening hours. The manufacturer accepts no responsibility for any misunderstanding and/or misinterpretation or the consequences arising there from due to this instruction manual not being read correctly and followed properly.

THE MANUAL
It is essential to consult this manual before operating your Van Medevoort product. The numbers in the pictures correspond to the features of this product.

This manual contains everything you need to know to connect this product in addition to various user options. We kindly ask you to read this manual thoroughly before powering up the unit.

WARNINGS
- Never touch the power cord and/or the unit with moist or wet hands.
- Never expose the unit to rain or moisture.
- Never remove the casing. There are no user-serviceable parts inside.
- Do not poke or put anything inside the unit.

POWER
Every Van Medevoort product is optimized for your country's electrical standards. e.g. 230V-50Hz or 115V-60Hz. This cannot be changed. Please check that your product is set to the correct voltage setting BEFORE connecting to an AC power outlet. Any faulty connection will invalidate the warranty.

COPYRIGHT
In some countries it may be necessary for you to pay a fee for recording and/or playing music. Please check with your country's laws and regulations.

BEFORE GETTING STARTED

IN GENERAL
When using your Van Medevoort product make sure that the following is observed:
- The cooling air vents are not covered
- The air can move freely around the product
- The product is sited on a vibration-free surface
- The product is not exposed to (very) high temperatures, cold, moist or dusty environments
- Do not expose the product to direct sunlight
- Do not expose the product to electrostatic discharges
- Never put any type of object directly on top of the product

When in doubt do consult your Van Medevoort dealer. If any object and/or water and/or moisture should find its way into the unit, always disconnect the power cord by its plug, never by the cord itself.
When leaving for extended periods, e.g. holidays, we strongly recommend that you unplug all audio equipment. This is also advisable when there is a thunderstorm or lightning.

CONNECTING
Before actually making any connections, always disconnect the power cord from the wall socket by its plug, never by the cord itself, or switch the product OFF.
Always connect one source at a time and make sure that the output Left & Right channels are not interchanged.
Make sure that the plug is fitted correctly. Otherwise, hum and/or noise may be apparent.
DO NOT forget to read the respective manuals of the products you wish to connect to this product, BEFORE connecting.
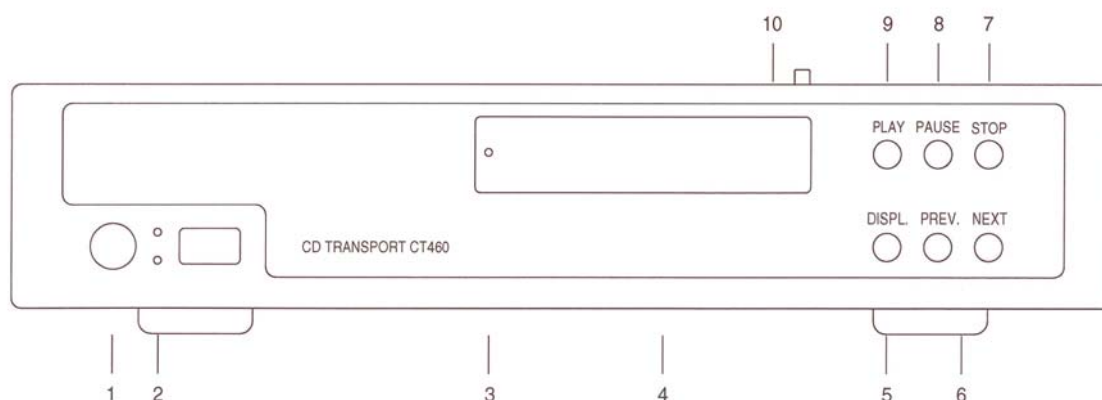

POSITIONING
If this product is being used at the same time as e.g. a Computer and/or a TV-tuner, you may experience various anomalies. When this is the case, please follow these instructions:
- Position the product as far away as possible from this type of item
- Make sure that the tuner interconnect is detached as far away as possible from all radio and/or TV power cords.
- Usually these anomalies occur when a 300 Ohms cable is used. We advise you to change to a well shielded 75 Ohms cable.

1. ON / OFF. Power switch for switching the mains on the CT460.

2. LED indication control. Fully red when switched ON, 50% red when in STANDBY mode (selected with the Remote Control).

   Above the LED you will find the Infra Red sensor for the Remote Control.
   The functions are "stand-by", repeat, scan, shuffle, time, but also direct track selection.

   The Remote Control handset is standard supplied.
   Learnable are also very useful.
   The necessary RC codes can you download from our website.

3. LED indication control lights up with incoming Master Clock (MCK) from the connected DAC via Q-Link.

4. Display, on which CD info appears like track number, time and control functions. With switch (5) it is adjustable in 5 positions.

5. DISPL. Switch to adjust the brightness of the display in 5 steps between maximum and off.

6. PREV. / NEXT. To choose previous or next track.
   When holding this switch, you can skip through the track fast.

7. STOP. Stops playing the CD.

8. PAUSE. Interrupts CD playing.

9. PLAY. Starts CD playing.

10. Drawer, by opening the stabilizer and the CD can be placed.
    The laser switches off automatically when opening the drawer.
    In the display appears the actual status of the player.

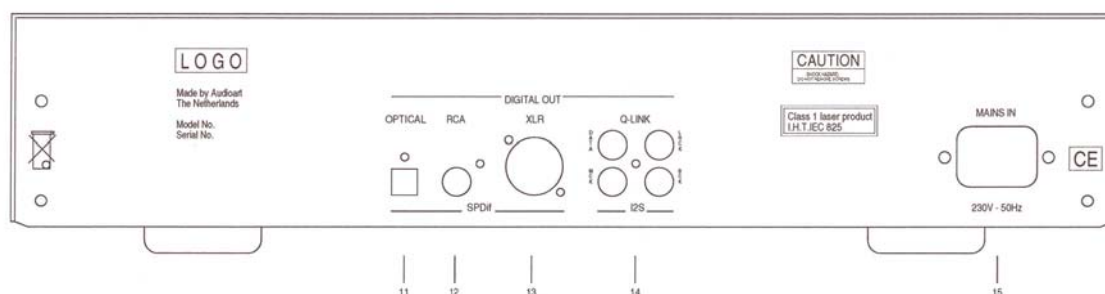| Controls |
|---|
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- ONLY connect the transport to a (professionally installed) wall socket with earth or ground and the corresponding voltage setting, as indicated on the back. Any faulty connection will invalidate the warranty.

- If it is necessary to replace the fuses, use only fuse(s) with the exact same value. The fuse holders are positioned inside the transport and should only be replaced by an authorized Van Medevoort Service Center. There are no user serviceable parts inside.

- The correct order for ON/OFF switching of the various products is as follows:
  On: always first the source, then the pre-amplifier, followed by the power amplifier.
  Off: always first the power amplifier, then the pre-amplifier, followed by the source.

- With the Q-Link connection switch ON the DAC first (to produce the MCK) and second the transport.

- To prevent damage to your loudspeakers it is advisable, both at switching ON and OFF to turn the volume control fully to the left. Fully anti-clockwise sets the volume at its lowest level. The same applies when changing sources.

- Do make sure that there is enough space above the transport in order to change CD's safely.

- Do not put any magnetic devices near or on top of the transport, e.g. floppy disks. This can cause irreparable damage to such devices.
  Attention: The stabilizer is also magnetic.

- If you experience any problems, always contact your nearest authorized Van Medevoort dealer or distributor.

| Controls |
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11. Output digital OPTICAL. SPDif optical output TosLink.

12. Output digital RCA. SPDif output RCA.

13. Output digital XLR. AES / EBU balanced output.

14. Output digital 4. Output to connect the CT460 via Q-Link for I2S connection to e.g. the vM DA466 or DA468 converters. There are four RCA connectors: for the DATA, MCK, LRCK en BCK. The MCK is the master clock input, the other three are outputs. Connect these to the same named connectors on the converter.
    For best audio results, it is important to use four identical cables of good quality. Take care to use the right signal direction of the cables!
    This Q-Link output will be operational when the MCK from the DAC is received.

15. IEC Power Chassis Connector. To be connected with the proper wall socket, which must be earthed or grounded. Every Van Medevoort product is optimized for your country's electrical standards. e.g. 230V-50Hz or 115V-60Hz. This cannot be changed. Please check that your product is set to the correct voltage setting BEFORE connecting to an AC power outlet. Any faulty connection will invalidate the warranty.

16. RS232 I/O. This connection is not standard, but optional, and can be used in domotica and home automation systems to remote control the transport.
    (Connector not visual on the drawing)

- The digital outputs are clocked for the different digital inputs.
  By switching over between inputs, there can be a synchronicity moment occur where by the transport stays in the mute mode. In that situation, the CT460 can be reset by switching off with the power switch for approximately 10 seconds and then again to on.

- The SPDif XLR, RCA and optical outputs are able to transmit digital stereo signals to converters capable to receive 16bit/44.1kHz. This is the standard CD format.

- The Q-Link outputs send the DATA, LRCK and BCK from the CD transport to the DAC. The MCK master clock input must receive a frequency of 16.9344MHz from the DAC. When this MCK is received, in the front display the indication LED (3) goes on.

- All audio CD's, CD-R's and CD-RW's can be played without a problem only when they are produced following the Red Book protocol.

- For your convenience you will find a red sticker, indicating the mains "phase". The phase of your electricity system can be determined with a voltage seeker.

- The transport must only be cleaned with a cloth, impregnated with a Ph-neutral cleaning fluid. And it must be mildly moist! NEVER use strong fluids and/or erasers. Before cleaning ALWAYS remove the power cord from its wall socket, by its plug not by its cord.

- The optimum operating temperature is reached after approx. several hours of continuous play. Then it will be possible to start enjoying the superb van Medevoort audio qualities of this transport. Test this time in your own setup.

- We strongly recommend that you use a high quality interconnect cable. E.g. the renowned van Medevoort Silver Cable. Also for the power cords.

- For other questions, please contact your dealer.

Controls
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Technical Specifications

cd mechanism	CD-Pro2LF metal frame
Conform	Red Book protocol
signal format	16 bit PCM – 44,1kHz
disc format	CD, CD-R, CD-RW
disc support	80 / 120mm (IEC908)
Q-Link MCK Clock input	16,9344 MHz
outputs / connections	4 / RCA, XLR + optical
output SPDif and Q-Link	0.5 Volt p/p
output XLR	AES/EBU 4 Volt p/p
power supply	230-240 Volt / 50-60 Hz
dissipated power	20/30 Watt stand-by/on
cabinet	aluminium and steel
weight	11.5 kg
dimensions (incl. feet)	434x94(108)x390 mm (wxhxd)
finish	black (satin), front plate: silver / black

- accessoires: Power cord
                 this manual
                 Remote Control (no batteries included)
                 Stabilizer

- options: vM SILVER CABLE
            RS232 aansluiting

Audioart is the manufacturer of the complete Van Medevoort product line.
Next to the renowned Van Medevoort Silver Cable Audio cables we can also supply you with
various high quality accessories. For more information visit our website or do consult your
dealer or distributor.

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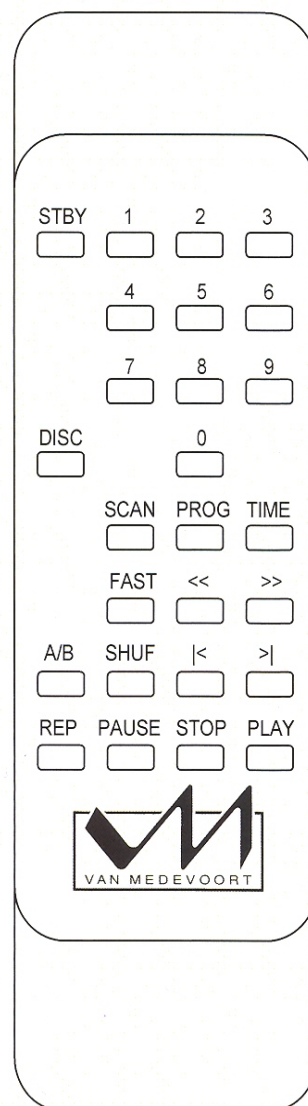
REMOTE CONTROL

STBY   Button to switch the CT460 in Stand By mode

0~9   Use these buttons to select tracks directory

DISC   Shows the disc info on the display

SCAN   Scan skip to next track after 10 seconds playing

PROG   Press program and 0~9 for the tracks to play

TIME   Button to show time info on display

FAST   Not activated

<<   Search button tracks are searched backward

>>   Search button tracks are searched forward

A/B   Button to determine repeat start and end points

SHUF   Plays CD tracks in random sequence

|<   Skip button to select previous track *

>| Skip button to select next track *

REP   Repeat, press once for track or twice for disc

PAUSE   Pause button *

STOP   Stop button *

PLAY   Play button *

            * function buttons also on front panel

            figure might be different or similar