

# MYAMP



User's manual  
MICROMEGA

## AUDIOPHILE INTEGRATED AMPLIFIER

Dear customer,

Thank you for purchasing a Micromega product. This unit provides ease of use and sonics of the highest quality. Please pay close attention to this instruction manual, and read it fully before attempting to operate. It is designed to ensure that you maximise your pleasure of listening to MyAMP.

### Checking

Check that the carton has no damage. Should you have any doubt about its condition, please do not hesitate to contact your dealer. Opening the box, you should find:

- C5 power chord
- Remote control handset and one CR2025 Lithium battery (do not forget to remove the plastic protection for your battery).

### Mains voltage

MyAMP mains power supply is designed to match the following mains voltage and frequency range : 85-150 Vac / 47-63 Hz, or 180 - 265 Vac / 47-63 Hz. Please check that the voltage indicated on the label located above the ac inlet of your unit, matches your home mains voltage. If not, DO NOT PLUG THE AC MAINS CHORD and get in contact with your dealer. In any case, you will not be able to change MyAMP ac mains voltage by yourself.

### Interconnect cables

Except for the mains power chord, MyAMP is supplied without interconnect cables. To get the most out of your unit, we strongly recommend to use good quality interconnect cables. MyCABLE offers a range of cables matching perfectly with MyAMP quality requirements. We offer short cables, especially designed for My products as well as Loudspeakers cables designed as the perfect complement of MySPEAKER, the best match loudspeakers to MyAMP.

## Wiring

MyAMP has 3 line level analog inputs AN1, AN2 and AN3, one USB 24/96 digital input, and two 24/192 SPDIF coaxial and optical inputs. Beside, MyAMP is equipped with an aptX® Bluetooth module with outstanding sonic performance. A pairing switch located on the back panel of the unit allows connecting many different Bluetooth devices giving each one the possibility of listening to its own music on MyAMP.

A SUB output gives you the possibility to add an active subwoofer to your system if needed. The RECORD output sends the analog signal content, just before the volume control, to an external device such as a recorder or a processor.

MyAMP has also a trigger input to control the Standby / On status of the unit by a 5 to 12V DC trigger voltage. On the same connector you can also send, from an external system, RC5 remote control codes to access directly all MyAMP functions. The TRIG/IR IN connector wiring diagram as well as the list of remote control codes is available on our web site under MyAMP/Support.

On MyAMP front panel you will find a 3.5mm headphone socket. When inserting a headphone jack the loudspeakers are muted and the headphone volume control setup becomes independent from the loudspeakers one.

MyAMP power amplifiers operate in class AB, thus needing a heatsink. MyAMP is cooled by forced convection, thanks to an extremely quiet fan and a proprietary extrusion profile designed by Micromega. This profile can be seen on each side of the unit. Despite the fact that MyAMP is fully protected against abnormal heatsink temperature rise, it is strongly recommended to allow 10cm minimal free space on the left and right sides of the unit. This way, the air flow from left to right will not suffer any constraints.

You can install MyAMP in a closet as long as it is equipped with air input and output with sufficient surface and a good ventilation to avoid any air temperature rise that would trigger MyAMP over temperature protection system.

**The following diagram gives you an example how to connect different units to MyAMP.**

### **Powering up**

Once having connected all your system units to MyAMP, you can now plug in the ac line chord supplied with the unit.

MyAMP is now in "Standby" mode indicated by a red led located below the MyAMP logo on the bottom left hand side of the unit front panel.

MyAMP meets the latest environment energy regulations and requires less than 500mW in "Standby" mode, making unnecessary the use of a power switch, removing the electrical stress at each turn on and off will lengthen the life of components.

The stanby red led is also used as remote control reception indicator.

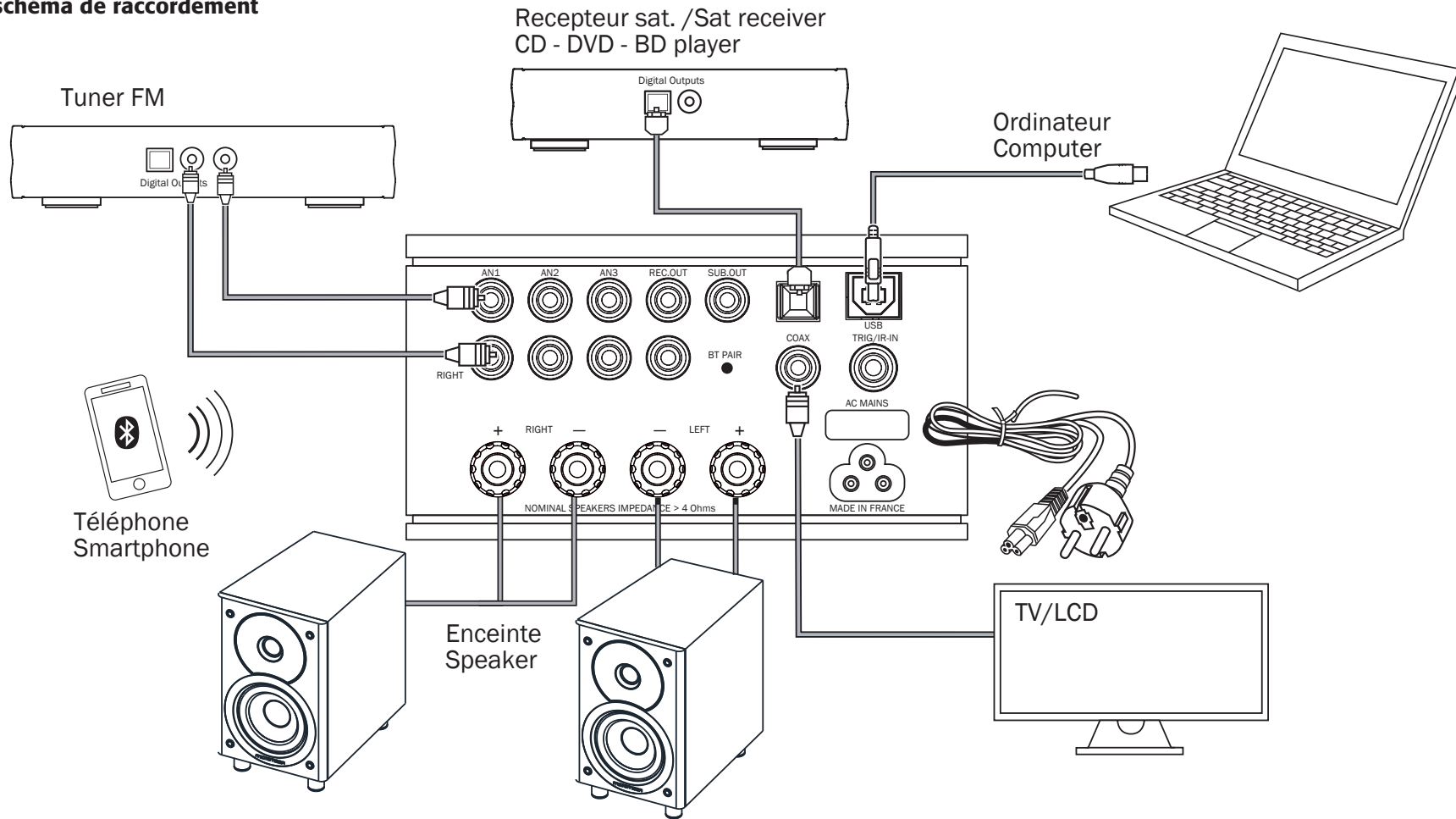
### **Front panel description**

On the left hand bottom side of the front panel, you will find the MyAMP logo with the red "Standby" led located just below.

In the middle of the unit, from bottom to top you will find the 3.5mm headphone jack, with the IR received just above and a vertical row of 10 leds. The first led, just above the IR receiver is the red "Mute" led. Then 8 white leds indicate the volume level and finally at the top of the row another red led indicate clipping when blinking and maximum level when always on.

On the right side of the front panel, from bottom to top, there are 3 control tact switches "SEL", "VOL-" and "VOL+". Three white leds indicating analog input selection "AN1", "AN2" and "AN3" are located above the tact switches and then three other white ones used to indicate digital input selection "USB", "OPTO" and "COAX". Finally at the top of the right side of the front panel a Bluetooth logo is framed on the left by a red led and on the right side by a blue one. Please read the Bluetooth paragraph for more details about MyAMP bluetooth input.

# Exemple de schéma de raccordement



## Operation

MyAMP can be controlled by the three tact switches located at the bottom right hand side of the front panel or by the remote control handset supplied with the unit.

A short pressure on the unit "SEL" key or "Standby" button of the remote control handset takes MyAMP out of "Standby" mode.

A 15 seconds waiting period has been implemented to allow the complete stabilization of the internal circuitry as well as perfect silent operation. During this period, where the red "Standby" led is blinking slowly, no operation is allowed.

Once out of standby, the mute led goes off and the unit selects AN1 or the latest selected source before going into standby with the volume set to a minimal level. A long pressure (more that 2 seconds) on the "SEL" key or a short press on the "Standby" button of the remote control handset, places MyAMP in Standby mode again.

You can select the proper volume level by pressing on the VOL- and VOL+ keys on the unit on the remote control handset. A long press on each volume key gives you the possibility to increase or decrease rapidly the volume. When increasing rapidly the ramp will stop at a predefined level, loud enough but not too loud to damage any speaker. Once that level is reached, if you want to increase the volume you will have to do it step by step.

To select another source than the selected one, press on the "SEL" key of the unit until the desired source is reached or use the direct access keys of the remote control handset. Each time a source is changed, MyAMP goes into mute for 500ms to avoid any switching noise.

When selecting a digital source, MyAMP will unmute when a correct digital stream is received. Otherwise , the unit will stay muted with the red mute led on, and no change in the previous volume setup possible to avoid unexpected level changes.

## Bluetooth input

MyAMP is equipped with an aptX<sup>®</sup> Bluetooth module.

The Bluetooth input is indicated on MyAMP front panel by a Bluetooth logo framed by two leds, a red one on the left side and a blue one on the right.

When selecting the Bluetooth input for the first time, MyAMP is in pairing mode , the red and blue leds will flash alternatively.



You should now be able to see MyAMP in the list of Bluetooth units on your Bluetooth device. Connect your device to MyAMP following your device connection procedure. Once connected, MyAMP front panel indicator will change status: the red led will switch off and the blue led will flash every 2 seconds. From your Bluetooth device you can start sending music to MyAMP. As soon as MyAMP will receive a valid data stream the front panel blue led will stop blinking and will stay on as long as MyAMP receives music.

You can connect up to 8 different Bluetooth units to MyAMP, actually, allowing every member of the family to listen to its own music.

To connect a new device to MyAMP you must enter pairing mode. Depending on the MyAMP version you have this is done in two different ways :

**MyAMP V1** : To access pairing mode, a microswitch..... press at least 2 seconds on the pairing switch.

**MyAMP V2** : Press 2 seconds on the « BTC » remote button

To access pairing mode, a microswitch is located on the back panel of the unit indicated by BT/PAIR. Using a toothpick or any similar object , press at least 2 seconds on the pairing switch. On the front panel, the red and blue leds will flash alternatively indicating that you have entered pairing mode. You should be able now to see MyAMP in the list of Bluetooth devices on your Bluetooth unit. Connect your device to MyAMP following your device connection procedure. Once connected, MyAMP front panel indicator will change status, the red led will switch off and the blue led will flash every 2 seconds.

Once 8 devices have already been paired to MyAMP, if you try to pair an additional device the first one that was paired to MyAMP will be erased and replaced by the new one. You can always decide to erase the list of devices that were connected to MyAMP Bluetooth module :

**MyAMP V1** : Press for more than 10 seconds the pairing button on the back panel of the MyAMP

**MyAMP V2** : Press for more than 10 seconds on the « BTC » remote button

The red LED on the front of MyAMP will blink five times in a row indicating that the memory was erased.

To guarantee MyAMP musical reproduction integrity, the Bluetooth module is only powered when selected, avoiding any interaction between analog and digital signals. You will need to connect your Bluetooth device to MyAMP again when you select the Bluetooth input.

Below you will find a shortlist of MyAMP Bluetooth status indications.

Bluetooth Leds	Status
Blue led: ON 2 sec, OFF 1 sec	There is no Bluetooth unit connected to MyAMP
Blue and Red leds blink alternatively	MyAMP is in Pairing mode
Blue led flashes every 2 seconds	A Bluetooth device is connected to MyAMP
Red led flashes 5 times on the row	Module memory has been cleared
Blue led : ON	MyAMP is receiving music

## TECHNICAL CHARACTERISTICS

### Audio characteristics

Analog Inputs	3 x (250mV / 1M $\Omega$ )
Coaxial SPDIF input	1 x (> 0.2v p-p / 75 $\Omega$ )
Optical SPDIF input	1 x (Toslink)
USB input	1 x (class1.0)
Bluetooth aptX® Module	BT 3.0
SPDIF sampling frequencies	32 kHz – 192 kHz
USB sampling frequencies	44.1 kHz – 96 kHz
USB / SPDIF / BLUETOOTH resolution	16 – 24 bits
Max Bluetooth sampling frequency	48 kHz
Bluetooth pairing capacity	8
Power / 8 $\Omega$	30 W
Power / 4 $\Omega$	60 W
Recommended load impedance	> 4 $\Omega$
THD+ Noise (10W/1 kHz/8 $\Omega$ )	≤ 0,003%
Damping factor	> 100 up to 1kHz

### Mains Power supply

Type of mains cord	C5
Mains voltage range	85 – 150 V ac or 180 – 265V ac
Mains frequency range	47 – 63 Hz
Standby power consumption (85-265 Vac)	< 500 mW

### Dimensions

Unit (L x P x H mm)	140 x 165 x 75
Packaging (L x P x H mm)	325 x 210 x 150

### Weight

Unit	1 kg
Packaging	1,5 kg

### Cleaning of the unit

1. Unplug MyAMP from AC mains.
2. Using a soft cloth, gently wipe out the dust from MyAMP surfaces. To avoid any damage to the product, never use any solvent or cleaning product containing solvent such as acetone, trichloroethylene, ... Never use any abrasive material to clean MyAMP.
3. Once MyAMP has been cleaned you can connect the unit to the AC mains again.

### Working conditions

Working temperature : from 0° à 35° C (32° à 95° F)  
Storage temperature : from -25° à 60° C (-13° à 140° F)  
Relative humidity (working) : from 20 % à 80 %  
Relative humidity (storage) : from 10 % à 90 % (without condensation)

### Warning

To reduce the risk of fire or electrical shock, do not expose MyDAC to rain or moisture

### Recommendations

- Do not use MyAMP near water.
- Do not place objects filled with liquid on or near MyAMP.
- Do not place MyAMP near any heat sources such as radiators, stoves or other heat-generating products including open flames.
- Disconnect MyAMP during lightning storms or when unused for extended periods.
- Refer all service-related issues to qualified personnel.

## WARANTY

Your MyAMP is covered by a one year warranty from the date of purchase. If the device requires servicing, return it to the dealer you purchased it from, packed in the original box along with the purchase invoice. The warranty covers manufacturing defects, with the exception of any other damage resulting from:

- An accident, Negligent use, Poor handling
- Bad installation and or failure to comply with the instructions in the present manual
- Any servicing carried out by a non-authorized personnel
- Damage during transport (the damage will not be covered by the transporter unless you express the usual type of legal reservation indicating any damage on delivery).

# !!! IMPORTANT !!! CUSTOMER CARE SAFETY INSTRUCTIONS

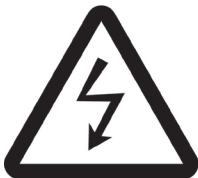
## IMPORTANT

Please read all instructions before proceeding. If you have any questions about the operation or use of this product, please contact your dealer.

## PRODUCT SAFETY

This unit was designed and manufactured to ensure personal safety. Improper use can result in potential electrical shock or fire hazards. Please retain these instructions for future reference.

The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of non-isolated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



## CAUTION

To prevent the risk of electrical shock do not remove enclosure or disassemble. No user-serviceable parts inside. Refer servicing to qualify service personnel. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating, maintenance and servicing instructions in the literature associated with this device.