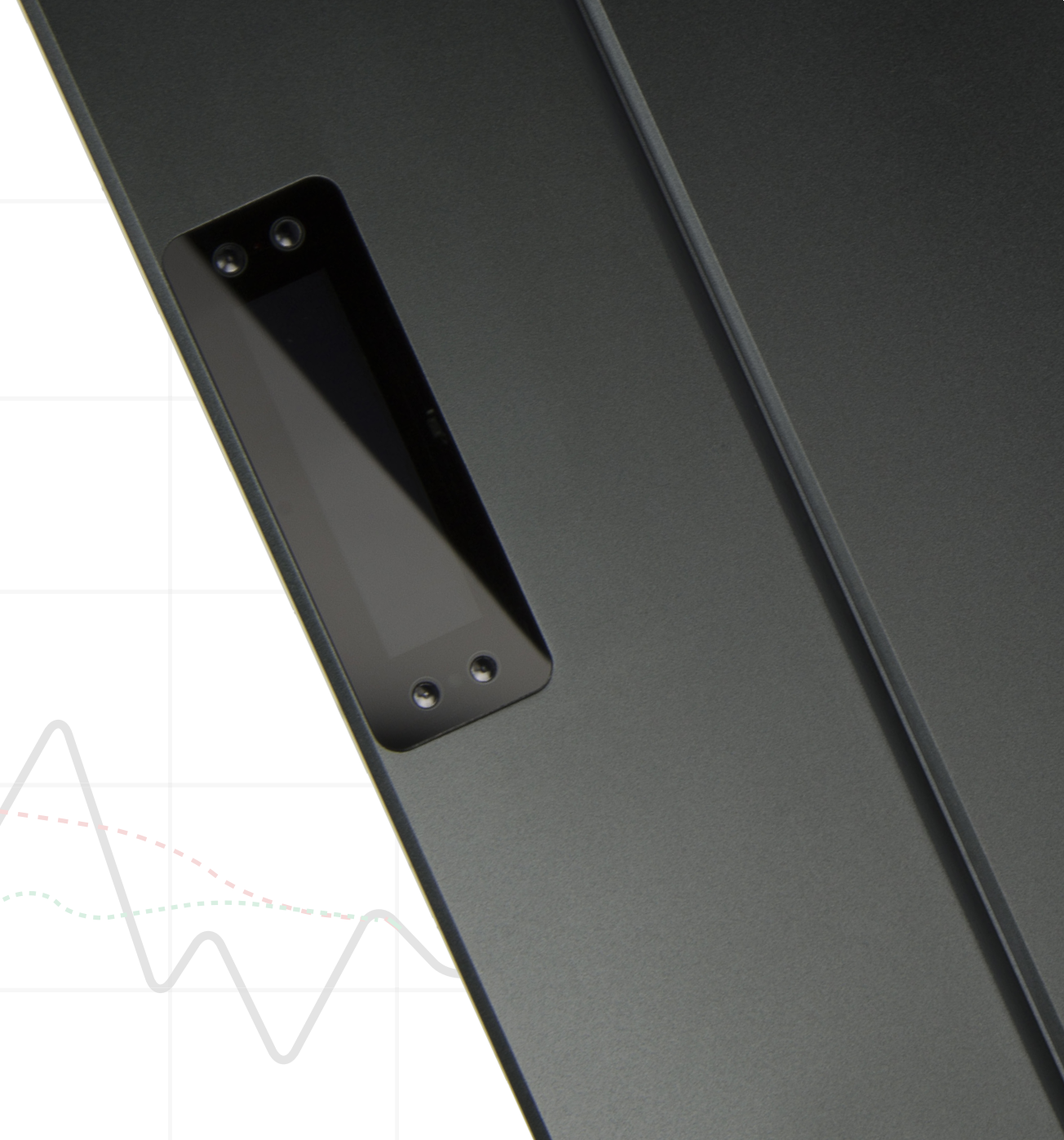
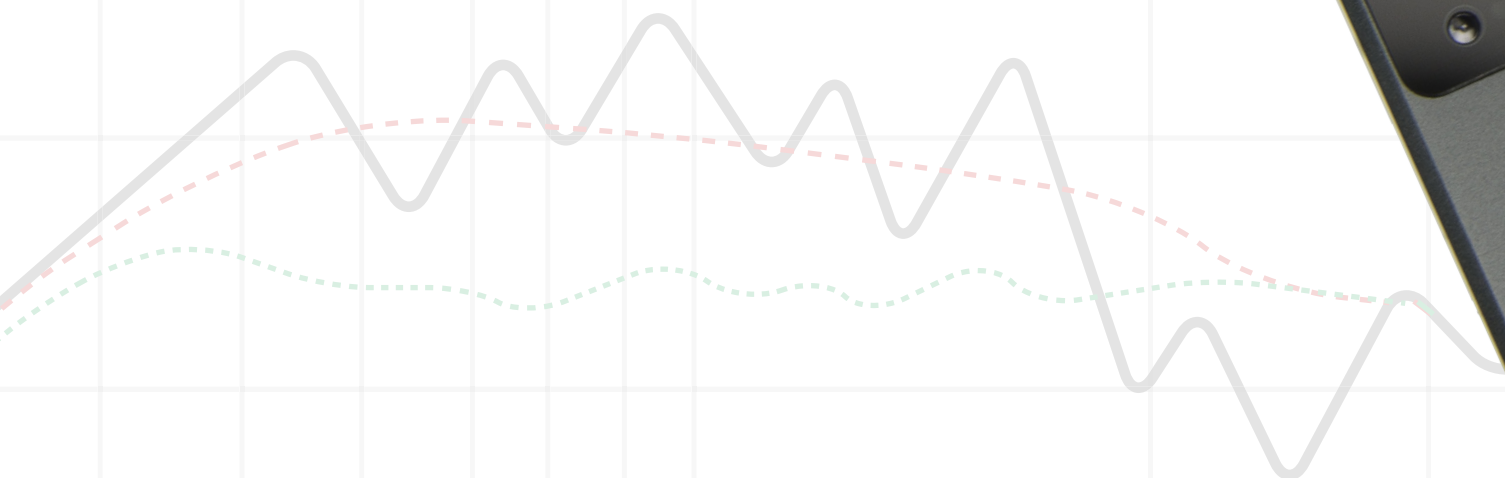




ROOM EQ user's manual



MICROMEGA

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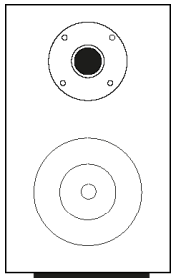
MICROMEGA

The electro-acoustic correction system M.A.R.S. corrects any faults in your audio system by taking measurements from a microphone placed at the listening point.

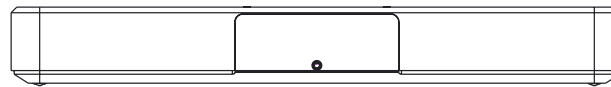
This correction system takes into account your whole system: "speakers - room." It irons out any incidents in the amplitude/frequency response coming from reflections, absorptions or resonances in the listening room. It also corrects imperfections in the speakers.

The sound is transformed, any unpleasant resonance and other acoustic problems caused by your stereo are eliminated. The sound has pinpoint accuracy and the base register has more impact. You can be sure you are getting the best out of your system whilst still preserving the necessary neutrality of true hi-fidelity.

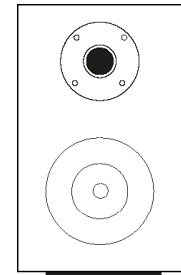
What you need :



Left speaker



M-One 100/150



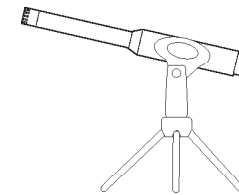
Right speaker



Microphone cable



**USB key with licence
(only for M-100)**



Microphone

1 - INSTALL M.A.R.S. LICENCE FOR M-100	4
2 - MICROPHONE SETUP	5
3 - SETUP IN CENTRAL POSITION	6
4 - MEASUREMENT IN CENTRAL POSITION	7
5 - SETUP AND MEASUREMENT IN LEFT POSITION	9
6 - SETUP AND MEASUREMENT IN RIGHT POSITION	10
7 - AFTER CALIBRATION	11
8 - CALIBRATION SETTING	12
9 - DESACTIVATE ROOM EQ	13

1. INSTALL M.A.R.S. LICENCE FOR M-100



M-150 amplifier already have a factory licence installed, you can go directly to point 2 of this document.



For M-100 amplifier, you must have the M.A.R.S. kit that has an USB key with a licence that will enable the M.A.R.S. function (Room EQ and Binaural). You must install the latest system update for M-100 (download here : <http://www.micromega.com>).

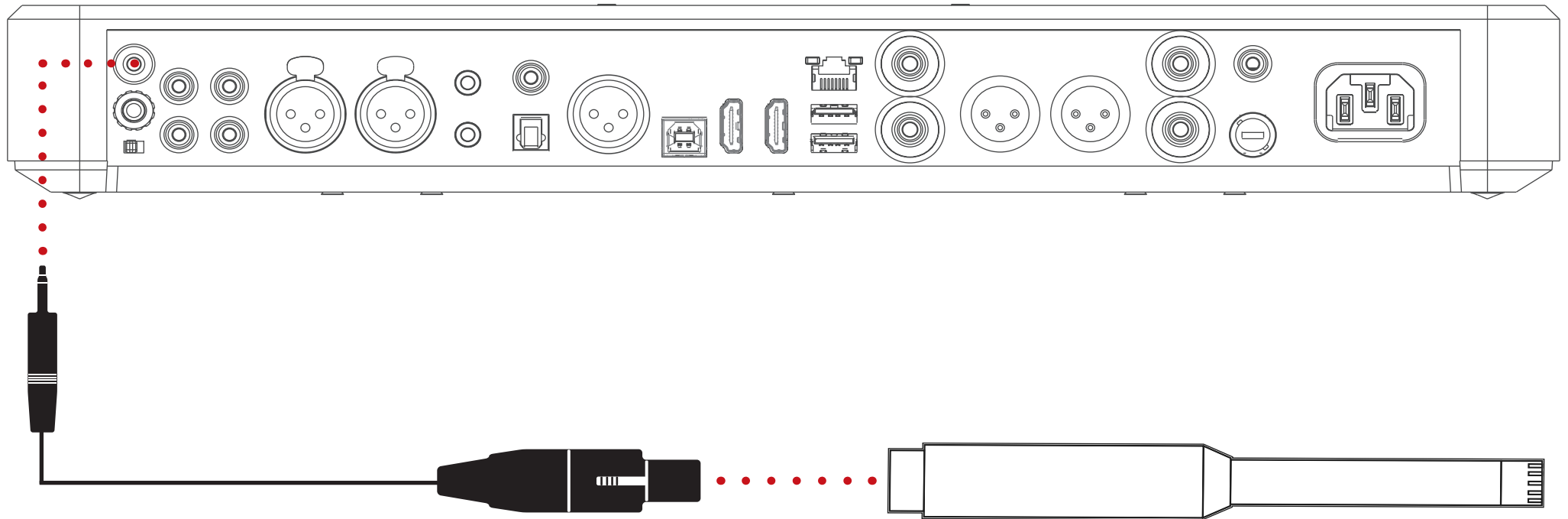
Licence installation :

- M-One must be unplugged from main
- The USB key that contain the licence must be plugged in USB port 1 (bottom)
- Plug M-One on main and wait for complete installation (see M-One screen)
- When installation is over, you can remove the USB key, unplug main, wait 5 secondes and plug back.

2. MICROPHONE SETUP



Please make sure to insert **completely** the microphone into MIC input on the M-One.
This is mandatory for the good measurement process of ROOM EQ.



3. SETUP IN CENTRAL POSITION

You must place the microphone at your favorite listening position, at ears level. This position is the first step for ROOM EQ calibration.



4. MEASUREMENT IN CENTRAL POSITION

On the M-One, push to bottom-left button (Fig. 1)

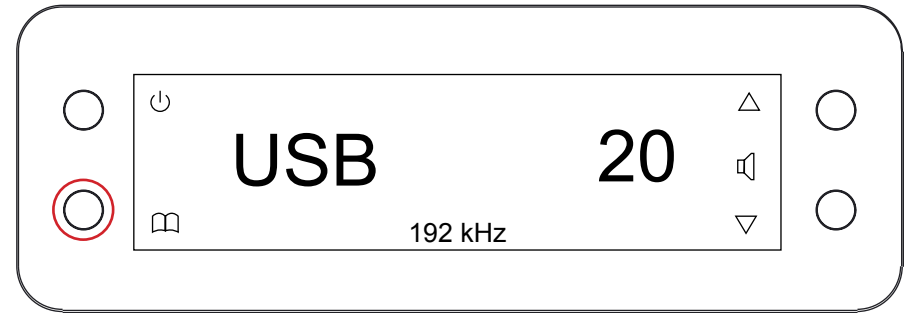


Fig. 1

With up and down arrows, scroll until REQ menu is showing and validate with «OK». (Fig. 2)



Fig. 2

In the REQ menu, push «OK» to begin calibration (Fig. 1)

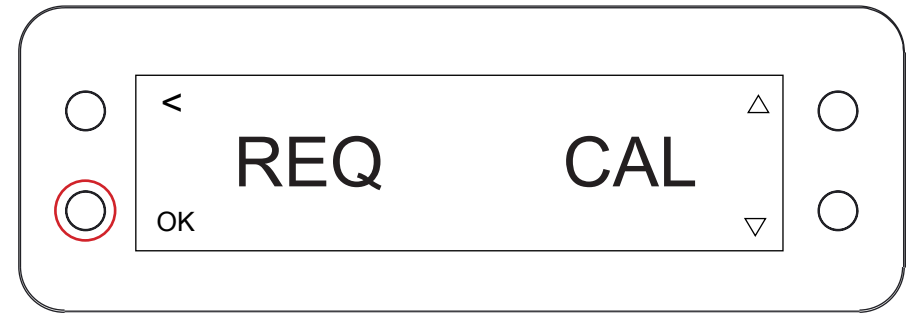


Fig. 1

Here, M-One will start the **MIDDLE** position measurement, push «OK» to launch calibration. A 5 second count-down enable you to leave the measurement area. (Fig. 2)



Fig. 2

5. SETUP AND MEASUREMENT IN LEFT POSITION



When central measurement is over, next step is the **LEFT** position. Put the microphone at 20 cm left from the central position at ears level.

Validate with «OK» when the microphone is ready (Fig. 1)



Fig. 1

6. SETUP AND MEASUREMENT IN RIGHT POSITION



When left measurement is over, next step is the **RIGHT** position. Put the microphone at 20 cm right from the central position at ears level.

Validate with «OK» when the microphone is ready (Fig. 1)



Fig. 2

7. AFTER THE CALIBRATION

When calibration is over, M-One go back to the input screen. A symbol appeared on the right side of the screen. (Fig. 1)

ROOM EQ is now actived and use «AUTO» calibration (by default, see *point 6* for more informations).

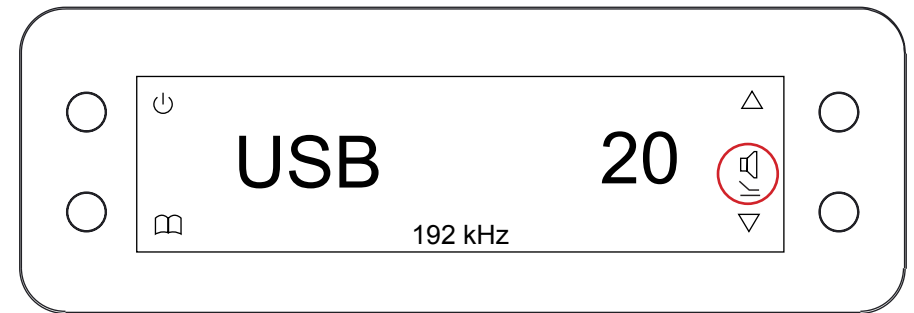


Fig. 1

8. CALIBRATION SETTING

ROOM EQ let you use two options for calibration :

- AUTO : limit resonances of your room and keep the general shape of your loudspeakers frequency response. This is the default setting.
- FLAT : limit resonances of your room and flatten the frequency response in the bass regions.

To modify the setting, go to «REQ» menu. Scroll to «SET» option with arrows and confirm «OK» (Fig. 1)

Use arrows to choose between the two options and confirm with «OK» (Fig. 2 and 3)

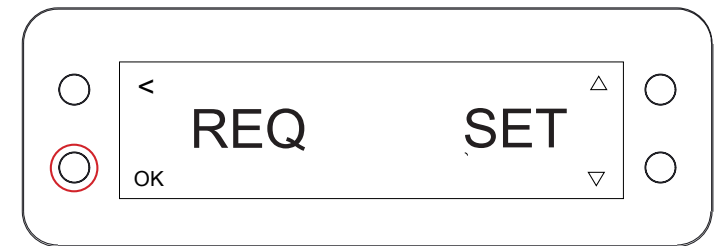


Fig. 1



Fig. 2



Fig. 3

9. DESACTIVATE ROOM EQ

You can deactivate ROOM EQ in «REQ» menu.

Use up and down arrows to show «ON» (Fig. 2) or «OFF» (Fig. 3) and validate with «OK»

Your previous calibration stay into M-One memory, you can re-activate it when you want.

If you switch speakers positions or earing position, you must do a new calibration. *(see point 3)*

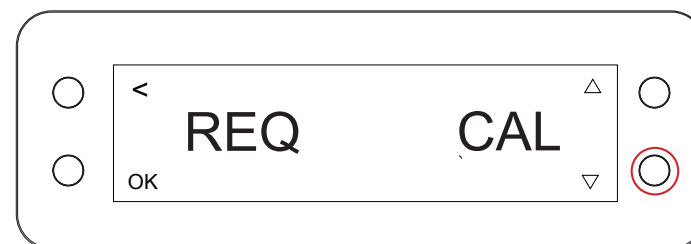


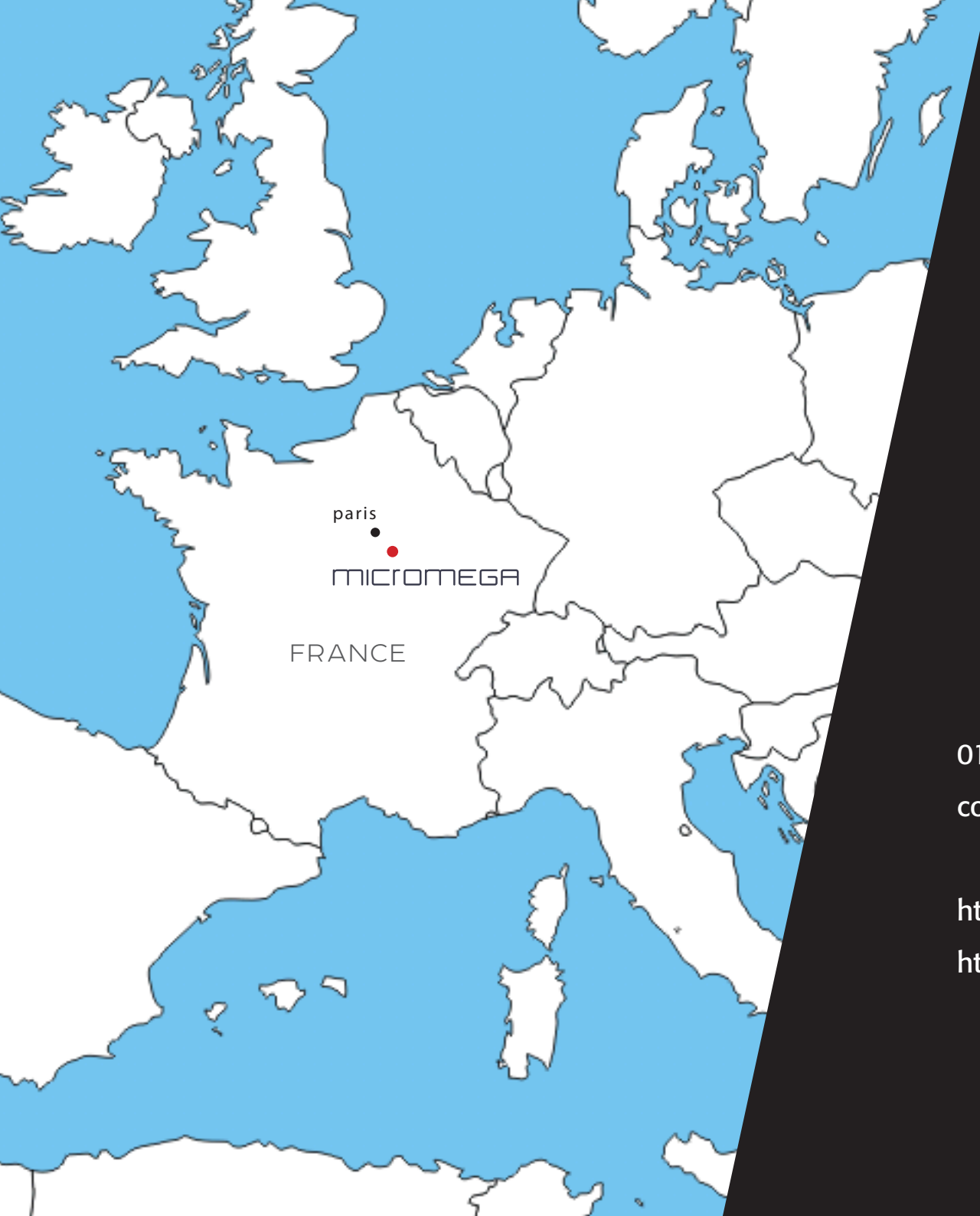
Fig. 1



Fig. 2



Fig. 3



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