

# IR/RF Emitter – User Guide



## Description

The IR/RF Emitter allows the 3D glasses to be synchronized with a 3D projection system without the aid of cables.

The IR/RF Emitter is designed for use in disturbed environments: lighted rooms, presence of infrared signals, electronic interference.

Using an IR/RF sync signal, the glasses keep the 3D sync signal.

## How do you get 3D synchronization between the IR/RF Emitter and the 3D projection system?

- by a VESA-DIN3 or BNC type cable

## How do you get 3D synchronization between the IR/RF Emitter and the RF glasses / VR glasses?

- IR link : this protocol is compatible with Omega and PurpleTwo glasses
- RF signal : compatible with RF1 and VR1 glasses

## Composition of the IR/RF Emitter kit:

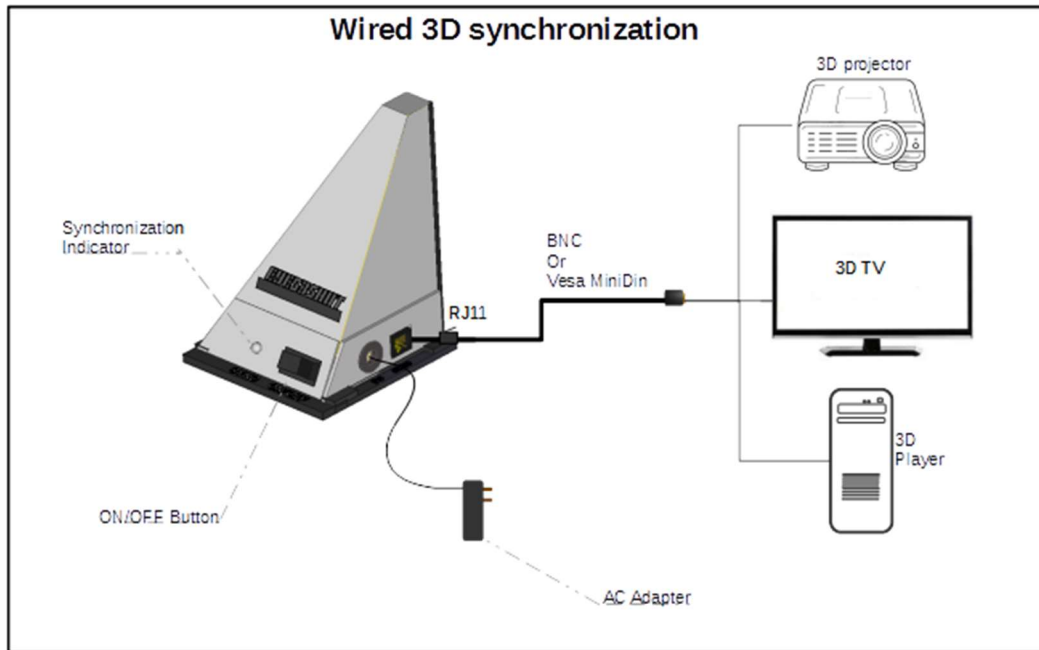
The kit includes:

- an IR/RF Emitter
- a cable VESA-DIN3 => RJ11
- a cable BNC => RJ11
- a power supply

## How to use

1. Connect the Emitter power supply
2. Connect the Emitter with 3D projection system
3. Press the Emitter ON/OFF button
4. If GREEN Led is OFF => there is NO synchronization signal. Ensure that the cable is correctly connected to the projector/player
5. If GREEN Led is BLINKING => the synchronization frequency is WRONG. Check projector/player configuration
6. If GREEN Led is continuously ON => the synchronization is ESTABLISHED
7. Make sure that the glasses are fully charged
8. You can also check the good synchronization by using the GREEN Led on the IR/RF Emitter : you should see the GREEN Led ON only through the right shutter of the RF glasses.

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## SPECIFICATIONS

Power consumption	200 mW	Dimensions (length x width x height)	8,8cm x 8,8cm x 12cm
Frequency	2.4 Ghz	Power supply	110/220V 3,3v
Power RF	+23 dBm	Warranty	2 years

## SUPPORTED FRAME RATE

Double shut	96 ips	Cinema Projector DLP triple Shut	144 ips
3DTV	100 & 120 ips	HFR	192 ips
DLP video Projector	120 & 144 ips	• Dual view 3D	240 ips

## PERFORMANCE

Range	100m (328ft)
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## SETTINGS INTERFACE

### *Power ON*

if « **Sync On - Signal Ok** », press **OK** (middle button)

if « **Sync On - No signal** », check connections

### *Main menu*

#### « **RF Mode** »

- 1- Press **OK**
- 2- Choose **YES** by using « + » or **NO** by using « - » button
- 3- Then press **OK**

*To access the next menu, press « + »*

#### « **IR Mode** »

- 1- Press **OK**
- 2- Choose **YES** by using « + » or **NO** by using « - » button
- 3- Then press **OK**

*To access the next menu, press « + »*

#### « **Delay** »

- 4- Press **OK**
- 5- Increase/decrease the Delay value by using « + » or « - » button
- 6- Then press **OK**

*To access the next menu, press « + »*

#### « **RF Power** »

- 1- Press **OK**
- 2- Increase/decrease the RF power by using « + » or « - » button
- 3- Then press **OK**

*To access the next menu, press « + »*

#### « **3D Inv** »

- 1- Press **OK**
- 2- Press « + » for YES and « - » for NO
- 3- Then press **OK**

*To access the next menu, press « + »*

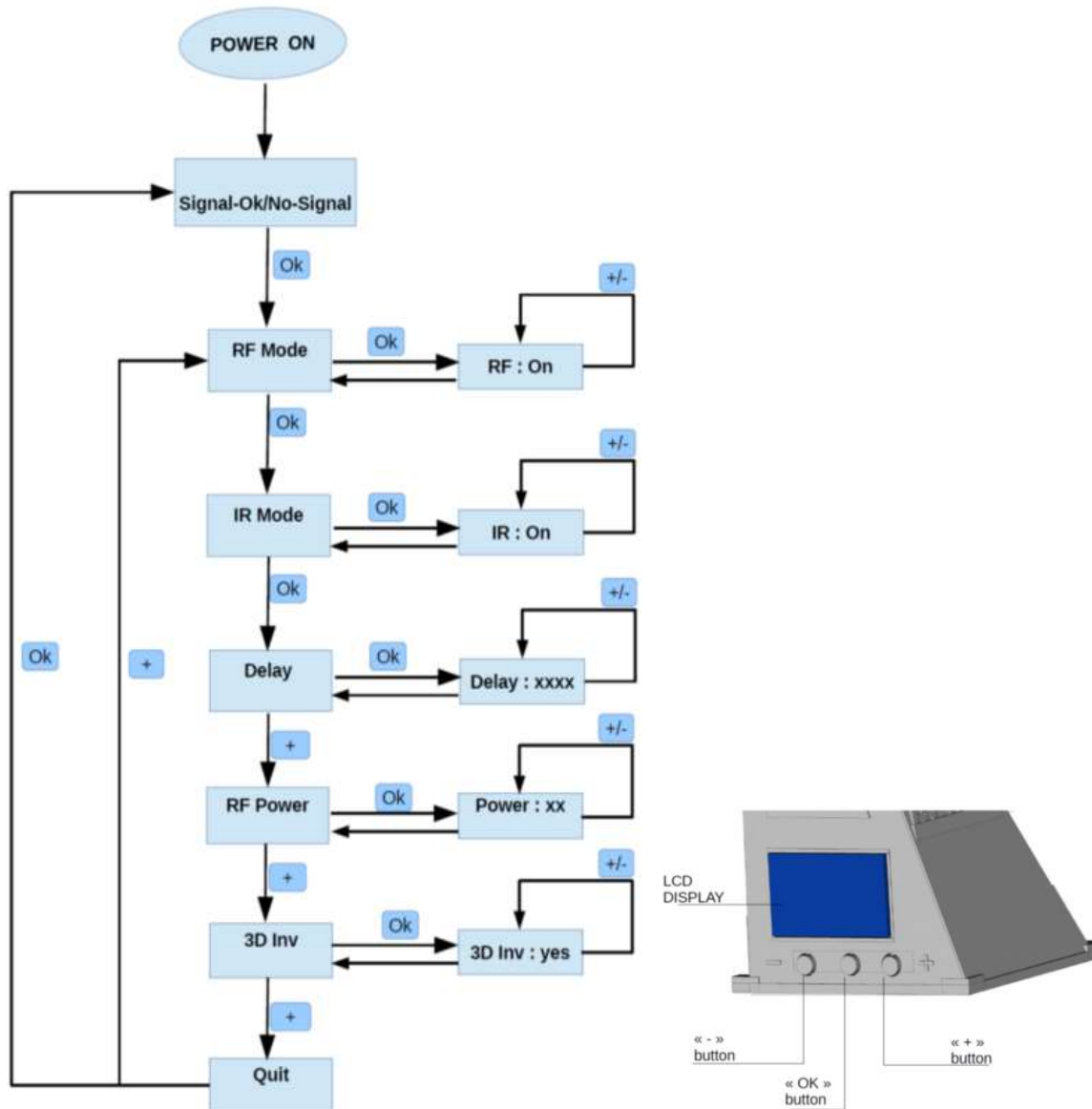
#### « **Quit** »

- 1- Press **OK**

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Channel	0	1	2	3	4	5	6	2A	2B	3A	3B
Mode	Configuration channel	Normal 3D stereoscopic						Monoscopic user 1	Monoscopic user 2	Stereoscopic user 1	Stereoscopic user 2

VR1 glasses configuration: When « OK » button is pressed the channel number will blink during 30 seconds, during this period you can configure the VR1 glasses according to the selected channel by pressing the button on the glasses.



Product developed in partnership with IMT Atlantic Group. Made in France  
 IMT Atlantique is a French research center founded by the French ministry of Industry and IT