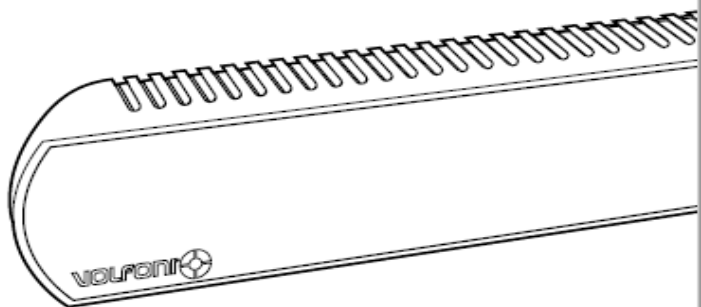


User Manual  
**ACTIVHUB™ IR100**



*Model VPES-02000-A*

*Document : MUV110065-B00 ActivHub\_IR100\_User\_Manual*

*Compatible with EDGE1.2 glasses (VPEG-01100)*

## SUMMARY

### 1. **Overview**

- 1.1 General Presentation
- 1.2 ActivHub IR100 Composition

### 2. **Product Description**

#### 2.1 **Infra-Red Emitter / Synchronizer**

- 2.1.1 Emitter at a glance
- 2.1.2 Basic Specification
- 2.1.3 Direct Infra-Red Spread of The Emitter
- 2.1.4 Room Configuration

### 3. **ActivHub IR100 Fastening**

### 4. **Connection & Synchronization**

- 4.1 System Connection
- 4.2 Technical Specifications

### 5. **Regulatory Standards**

### 6. **Warranty**

### 7. **Contacts**

# 1. Overview

## 1.1 General presentation

The ActivHub IR100 kit allows easy integration in less than 30min with existing digital theaters using a standard screen

The system is compatible with EDGE1.2 glasses provided by Volfoni.

### ActivHub IR100: all integrated 3D infra-red emitter

Infra-red emitter working with quality and lightweight 3D glasses

Cost saving solution for auditoriums up to 100 seats

Easy and fast set-up with any 3D-Ready™ projectors

No silver screen required, image quality preserved at all seating position

**Systems are provided with a new universal mount making installation even faster (installation process is the same as described in section 3) :**



### ActivHub IR100: all integrated 3D infra-red emitter

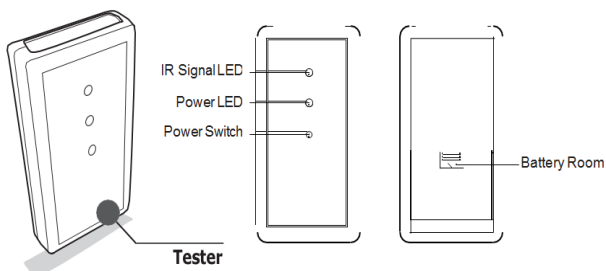
- Infra-red emitter working with quality and lightweight 3D glasses
- Cost saving solution for auditoriums up to 100 seats
- Easy and fast set-up with any 3D-Ready™ projectors
- No silver screen required, image quality preserved at all seating Position

## 1.2 ActivHub IR100 composition

Thank you for using our ActivHub IR100. Before starting, please check if the following parts are included in the package :

### A full ActivHub IR100 includes :

- ActivHub IR100
- 1 SUB-D37/SUB-D9 cable
- 1 SUB-D9/VESA cable
- 1 SUB-D9/BNC cable
- 1 Universal mount fastening
- 1 Power supply adapter
- 1 Power supply cable
- 1 Activ 3D glasses tester with 3 batteries



Active 3D Glasses VAIK-0300 is a handy unit to be carried by a cinema technician to check performance of 3D glasses. Turn on the power, then the tester emits low rate IR signal to activate 3D glasses. Working 3D glasses will then show a flickering.

## 2. Product Description

### 2.1 Infra-red Emitter / Synchronizer

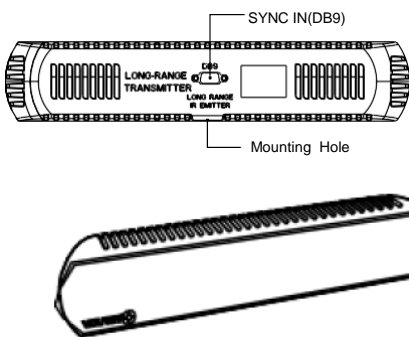
Long Range Emitter / Synchronizer

#### Model Name: VPES-02000-A

Long Range IR Emitter with built-in Synchronizer (VPES-02000) is a compact and very powerful technology for viewing 3D content in (bar, club, school, museum, events...) and small theater (up to 100 seats).

Thanks to its lightweight design, the ActivHub IR100 enhances heat dissipation (LED life protection). It is provided with a universal mounting head for security and is easy to install.

#### 2.1.1 Emitter at a glance



*Power on emitter by using power supply adapter : LED will be off  
Connect synchronization cable to emitter : If a signal coming from projector is detected (2D or 3D mode), LED will be fixed red*

#### 2.1.2 Basic specifications

IR Wavelength: 940nm

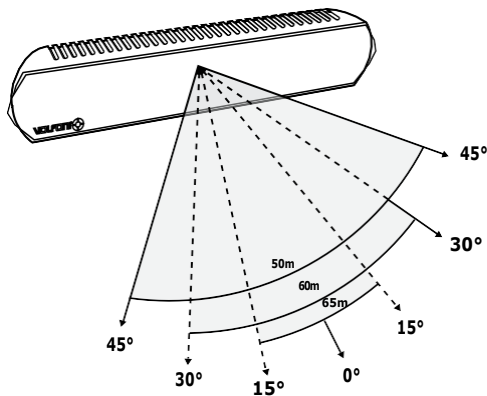
Max emitting range: Up to 75m (246 feet)

Power supply: 24VDC, 3A Power Adapter

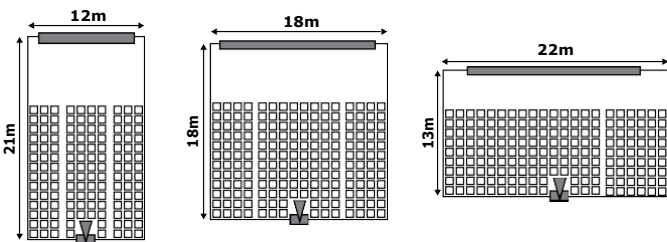
Dimension: 361 x 70 x 44 mm (14.1 x 2.75 x 1.8 inches)

Weight: 500 grams (17,64 oz)

#### 2.1.3 Direct infra-red spread of the emitter



#### 2.1.4 Room configuration



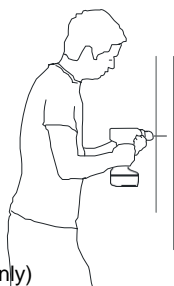
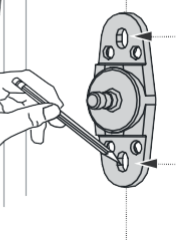
### 3. ActivHub IR100 Fastening

## INSTALLATION



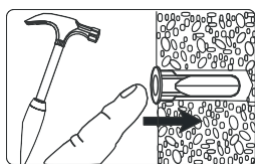
### Step 1

Use the wall base to mark each hole to drill with a pencil.



### Step 2

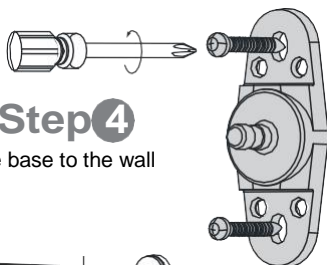
Drill the holes with the given bit (for wood surface only)



(For solid concrete and drywall only)

### Step 3

Insert wall anchors

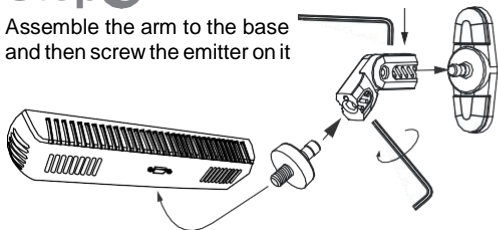


### Step 4

Tightly screw the base to the wall

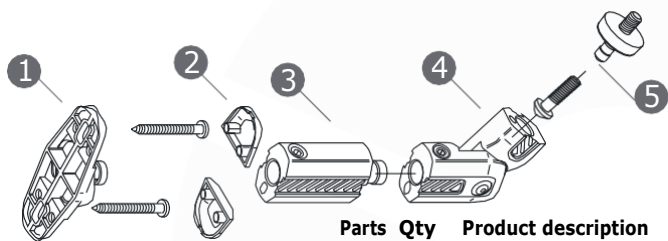
### Step 5

Assemble the arm to the base and then screw the emitter on it



## WALL FASTENER

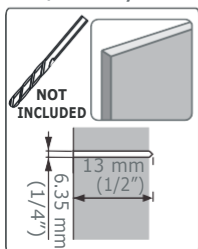
Before installing the emitter in the front of the screen, make sure you have all the needed tools and the instruction manual. This wall fixing part is provided with all the screws and wall anchors you might need. Follow the instructions to fasten this kit.



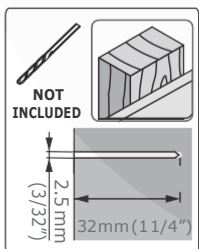
Parts	Qty	Product description
1	2	Mounting plate
2	2	Screw covers
3	1	Extension
4	1	Adjusting Knuckle
5	1	Emitter plate

## WALL TYPES & HOLES SIZES

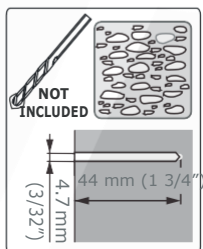
1/2" drywall



wood stud

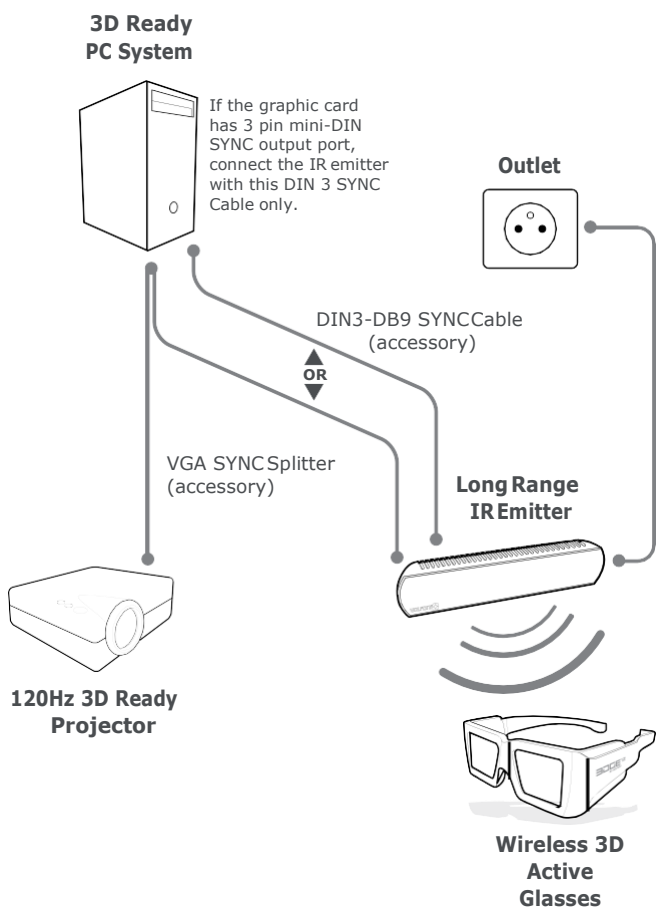
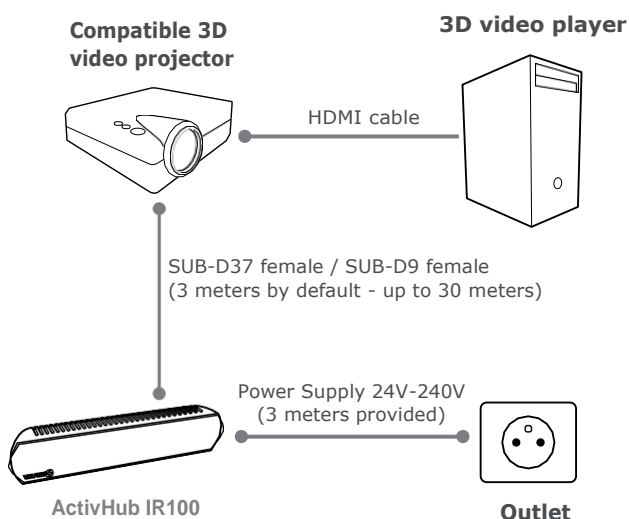


solid concrete



## 4. CONNECTION & SYNCHRONIZATION

### 4.1 System connection



## 4.2 Technical specifications

Please see below the connection diagram for the settings. Please refer to the following technical board for the digital projector. These parameters are for information, it could be adapted if necessary.

TECHNICAL SPECIFICATIONS	
Fall time	500µs
Rise time	1.5 ms
Contrast	> 200 (no ghosting)
Transmission in the clear state	33%
Chromaticity <i>Standard parameters</i>	Color correction not mandatory
<b>EDGE™1.2</b>	
Double flash (4.2)	Darktime: 500 Delay: -320
Triple flash (6.2)	Darktime: 800 Delay: -320
Weight	56 grs (less than 2 ounces)
Battery	Disposable
Autonomy	800 hrs

**Warning:** Depending on your equipment and the room configuration, you may have to adjust these parameters. We recommend to confide the set-up of 3D parameters and color adjustments directly to integrators.

For any trouble, please consult our website

**[www.volfoni.com](http://www.volfoni.com)**, or send an email to **[support@volfoni.com](mailto:support@volfoni.com)**

## 5. REGULATORY STANDARDS

### European Union – Disposal Information

According to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities.

Some collection points accept product for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

### FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interferences that may cause undesired operation.

### CE Certification

This device complies with CE Certification.

### Electrical Safety (IEC 60950-1)

This device complies with IEC 60950-1

## 6. Warranty

The ActivHub IR100 is warrantied to the original purchaser for three years according to local legislation. Infra-red emitter/synchronizer and cables should be returned in original box along with original proof of purchase. Infra-red emitter/synchronizer that are broken or scratched are not covered.

Volfoni does not cover uninterrupted or error-free operation of the product under warranty.

## 7. Contacts

### **Distributed by Volfoni SAS**

2474, RD 6007  
Le Logis de Bonneau  
Les Bureaux du Parc  
06270 Villeneuve-Loubet  
France

### **Distributed in USA by Volfoni Inc.**

3450, Cahuenga Bd West.  
Unit 504  
Los Angeles, CA  
90068 – USA

### **Distributed in Spain by Volfoni Iberia**

4, Ronda Guglielmo Marconi  
46980 Paterna (Valencia)  
Spain

### **Technical support**

[support@volfonti.com](mailto:support@volfonti.com)  
[www.volfonti.com](http://www.volfonti.com)

### **Commercial support**

[contact@volfonti.com](mailto:contact@volfonti.com)





[www.volfoni.com](http://www.volfoni.com)