



**XPAND RF PRO
EMITTER SYSTEM**

AE125-RF User Guide

XPAND™
V I S I O N

XPAND RF PRO Emitter System



XPAND 3D RF emitter system generates the signal that synchronizes XPAND 3D RF glasses with digital projector.

The system consists of:

- » 1x RF PRO Emitter (AE125-RF)
- » 1x 3D-VESA to BNC sync cable (CAB-01-0301)
- » 1x 12VDC power adapter + 4x interchangeable plug (EU, US, UK, AU)
- » 1x User manual
- » 1x Warranty sheet

Emitter Overview



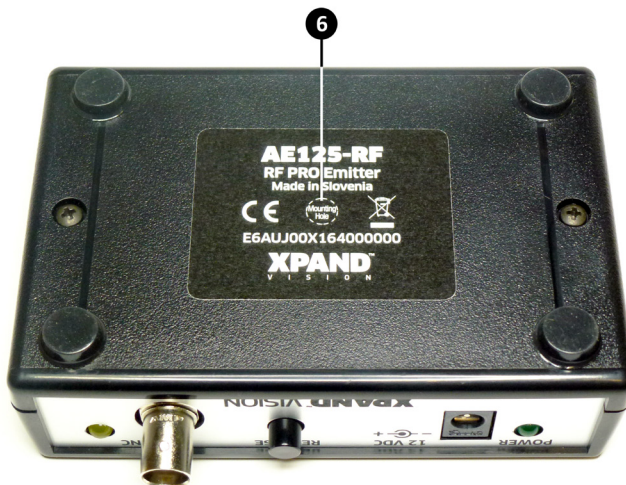
- 1 Power LED:** Green color. Represents the power LED. When lit power is ON.
- 2 Power Connector:** 12VDC
- 3 Reverse Push-button:** RF sync signal can be reversed with suppressed push-button.
- 4 Sync Connector:** BNC synchronization signal connector input.
- 5 Sync LED:** Yellow color. When OFF there is no sync signal present. When sync signal is present LED will be ON and it will blink according to sync signal frequency.

Installation

1. Connect 12VDC power adapter to AC power outlet; use one of the included interchangeable plugs that is appropriate for your region.
2. Insert power adapter's output plug into RF PRO's power connector ❷. RF PRO will turn on automatically and will be in stand-by mode; green LED ❶ will light up.
3. Use included sync cable to connect your projector's 3D-VESA (MINI-DIN-3 female) sync output connector to RF PRO's sync connector ❹. If your projector has a different 3D sync output connector please consult with our XPAND technical support team.

Positioning and Mounting

- » RF PRO will emit RF sync signal omnidirectionally (meaning that it emits to all directions), but for best performance point the front of the emitter in direction where 3D glasses will be used.
- » Range might drop if there will be any obstacles between 3D emitter and 3D glasses.
- » Emitter has four rubber feet so it can be securely placed on a flat surface.
- » For maximum range emitter should be raised off ground or lowered from ceiling for at least 30 cm / 1 ft.
- » Emitter is equipped with mounting hole ❸ which can be used with XPAND's Wall Mount (sold separately). When used label should be pierced with sharp object where it says "Mounting Hole".



User Interface

Power LED ①

Power LED will indicate that emitter is powered and running.

Sync LED ⑤

Sync LED will not only show whether synchronization signal from projector is present or not. User can also check the functionality of glasses looking at LED through left or right lens; through one it should be bright, through other it should be dim.

Push-button ③

Reverse Push-button is used to reverse RF sync signal. Although this can be achieved in projector's setting, it is more convenient to do this on emitter itself where the user can check the picture with 3D glasses right on the spot.

Troubleshooting

Emitter is connected but 3D glasses do not work:

- » Make sure power adapter is connected properly. Power LED ① should be lit.
- » Make sure sync cable is connected properly and that projector is in 3D mode. Sync LED ⑤ should be lit.
- » Make sure that your 3D glasses have been successfully paired with the emitter and that they are turned ON. Refer to your 3D glasses' manual for instructions on how to pair them with new emitter.

Technical Specifications

Type of Synchronization: Radio Frequency (RF)

3D Sync Protocol In: VESA Stereo

3D Sync Protocol Out: FHD3D RF protocol

Shuttering Frequency: 96 Hz, 100 Hz, 120 Hz, 144 Hz, 192 Hz and 240 Hz

High Frame Rate (HFR): Yes

Reverse Sync function: Yes (button)

Memory: No memory inside

USER Interface:

- » Power LED
- » Sync LED
- » Reverse Sync Button

Mounting Option:

- » Rubberized feet for positioning on a flat surface
- » Mounting hole for wall mount (mount supplied separately)

Sync Connector Type: female BNC

Power Connector Type: 5,5 × 2,1 mm socket

Coverage Range:

- » Operating/Sync distance: approx. 20 m / 66 ft (approx. 10 m / 33 ft if on ground)
- » Pairing distance: up to 7 m / 23 ft

Setup: Plug&Play

Sync Cable: male mini-DIN-3 (VESA Stereo) to male BNC; 2 m / 6.5 ft long

Power: 12VDC power adapter; 1,4 m / 4.5 ft long – EU, USA, UK and AU plug adapters included

Operating Temperature: 5 °C – 40 °C / 41 °F – 104 °F

Dimensions and weight: 115 × 76 × 36 mm, 126 g / 4.5 × 3 × 1.4 in, 4.4 oz

Important Safety Instructions

- » Read these instructions.
- » Keep these instructions.
- » Heed all warnings.
- » Follow all instructions.
- » Do not use this apparatus near water.
- » Clean only with dry cloth.
- » Only use the attachments/accessories specified by the manufacturer.

