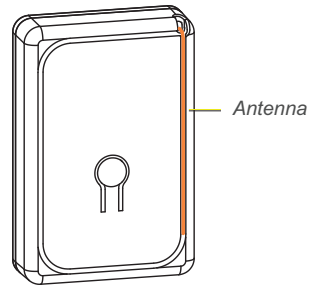# Echoflex Installation Guide
## USB Serial Interface ERUSB-S

## Overview

The USB Serial Interface (ERUSB-S) acts as an interface between PC-based applications and the wireless activity of Echoflex transmitters and receivers. Technicians and commissioning agents can manage and configure wireless projects as well as monitor transmissions to troubleshoot reception issues from a laptop on-site.

This document covers installation and operation. The product package includes the interface and a 1 m (3.2 ft) USB 2.0 cable (type A to type mini-B).

*Antenna*

### Prepare for Installation

To ensure optimal function, consider the installation environment and the following guidelines:

- For indoor use only. Operating temperature -25°C to 65°C (-13°F to 149°F), 5%–92% relative humidity (non-condensing).
- High-density construction materials and large metal appliances or fixtures in the space may disrupt wireless transmissions.
- Use the interface within range of wireless transmitters and receivers, 24 m (80 ft).
- Use the mobile nature of the interface connected to a laptop computer to move and stay within range of radio reception.

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## Installation

The ERUSB-S is powered through a USB port.

1. Plug the mini-B end of the USB cable into the ERUSB-S and the other end into a computer USB port.

   If necessary, download the correct driver files at **www.ftdichip.com/Drivers/VCP.htm**. The computer will then recognize the ERUSB-S and create a virtual serial COM port.

2. Launch the software application you plan to use with the ERUSB-S.
   - Garibaldi Pro commissioning software to manage wireless projects (available for download at **echoflexsolutions.com**).
   - DolphinView monitoring software to analyze radio signal traffic and controller memory (available for download from EnOcean Alliance).
3. Select the COM port associated with the ERUSB-S and click the Connect button in the software. The ERUSB-S can now receive all transmitted messages within range.
4. Use double-sided tape or Velcro® (not provided) to mount the ERUSB-S, if required.

**Note:** *The button on the front of the ERUSB-S is disabled and has no effect on operations.*

## Project Management

When used with Garibaldi Pro, the ERUSB-S provides access to radio signals so you can setup, test, and maintain wireless projects. The ERUSB-S can identify the unique radio ID of any device within range so that devices can be linked and custom configured according to project requirements.

# Echoflex Installation Guide
## USB Serial Interface

## Compliance

For complete regulatory compliance information, see the USB Serial Interface datasheet at **echoflexsolutions.com**.

### FCC Compliance

Echoflex USB Serial Interface
(For any FCC matters):
Echoflex Solutions, Inc.
3031 Pleasant View Road
Middleton, WI 53562
+1 (608) 831-4116
echoflexsolutions.com

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 interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any modifications or changes to this product not expressly approved by Electronic Theatre Controls, Inc. could void the user's authority to operate the product. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

Contains FCC ID: SZV-STM300U

### ISED Compliance

This device contains a license-exempt transmitter/receiver that complies with Innovation, Science, and Economic Development Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Contains IC ID: 5713A-STM300U

### Conformité ISDE

Cet appareil contient un émetteur/récepteur conforme aux CNR d'Innovation, Sciences et Développement économique Canada (ISDE) applicables aux appareils radio exempt de licence. Son fonctionnement est soumis aux deux conditions suivantes:

1. L'appareil ne doit pas produire d'interférences.
2. L'utilisateur de l'appareil doit accepter toute interférence, même si l'interférence est susceptible d'en compromettre le fonctionnement.

Contient ID IC: 5713A-STM300U

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