

Product Installation Instruction Manual

SUBJECT: Professional Installation Instructions for Customers **NO:** 1.001
VER: A
PRODUCTS: ZRadio SX and F Device; Part Nos.: ZRadio SX: S25442-B58-A2;
ZRadio F: S25441-B57-A3 **DATE:** 04-26-2023

Dear Valued Siemens Customer:

I. BACKGROUND

Siemens Mobility, Inc. provides the following installation instructions to be followed by any purchaser or installer of the ZRadio SX and F Device products.



WARNING

THE PROFESSIONAL INSTALLATION INSTRUCTIONS IN THIS BULLETIN SET FORTH BELOW SHALL BE FOLLOWED DURING PRODUCT INSTALLATION ALONG WITH ANY APPLICABLE RECORD REQUIREMENTS.

II. INSTALLATION INSTRUCTIONS

1) Installation

A qualified staff must perform the installation meeting the following criteria:

- Due to your technical education, expertise, and experience as well as knowledge of the relevant regulations, you are able to perform the assigned tasks independently and identify potential risks.
- You have been specially trained and examined for the assigned work on the described equipment.
- The operator has authorized you to perform work on the described equipment in accordance with the standards governing railway signaling and safety systems.

a) Fixation of outdoor WiFi patch antenna

- The installation of the WiFi patch antenna must be done so that a beam angle of about 30 ° iron-free is maintained. The emission direction should be kept parallel to the signal optics. The antenna vertically mounted with SMA connector.

b) Observance of regulations

- Observe all safety regulations for your personal safety and for protection of the described equipment.
- Also observe the provisions of the operator and the statutory regulations for the prevention of accidents.

c) Work rules

- Only operate the described equipment if it is in perfect working order. Report any faults which have been detected to the authority or person responsible.
- Only conduct the work in such a way that human safety is not compromised, or operation of the described equipment impaired in any way.
- Protect yourself! Be careful when working in track areas. Always wear protective clothing when conducting work that may cause injuries. Adhere to the applicable regulations of the operator.
- Before performing any work, request or conduct the necessary operational actions in accordance with the relevant railway/operator's regulations. It is only then that safety facilities may be deactivated.
- Fully re-activate the safety equipment once the work has been completed. Check the safety facilities for proper functioning.
- Inform staff of possible incorrect action.
- Ensure that no unauthorized persons enter the danger zone.

2) Application

- The Radio module along with antenna is used for directional transmission and reception of radio telegrams along the line.
- The described equipment serves to ensure safe railway operations. It may only be used for the range of applications stipulated by Siemens.
- Also observe the operator's rules, regulations, and approvals, etc. of the responsible authorities.

3) Resale Prohibited

The ZRadio SX and F device should not be re-sold to the general consumer public. Any questions contact Siemens Mobility Inc. for further details and restrictions.

III. Conclusion

A copy of this product installation manual can be found at the following website:

<https://www.mobility.siemens.com/us/en/portfolio/rail/automation/manuals.html>

Please contact your local Siemens Account Representative should you have any questions regarding this product installation manual.