Regulatory Notices

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EC Declaration of Conformity

FarSite Communications Limited declare that the product FarSync T2Ee is in conformity with the following standards and other documents:

Telecommunications Terminal Equipment (TTE Directive 91/263/EEC): **TBR1, TBR2**
Electromagnetic compatibility (EMC Directive 2004/108/EC): **EN55022, EN61000-6-2**
Safety (LVD Directive 2006/95/EC): **EN60950**

This equipment is intended for attachment to public or private leased lines or packet switched data networks.

Federal Communications Commission (FCC) Statement

Radio Frequency Interference (RFI) (FCC 15.105)

FC

The FarSync T2Ee has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 Subpart B, of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by switching the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or and experienced radio/TV technician for help

Labelling requirements (FCC 15.19)

This device complies with Part 15 of 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 which may cause undesired operation.

Modifications

Changes or modifications to this equipment not expressly approved by FarSite may void the user's authority to operate this equipment.

FCC Declaration of Conformity
(In accordance with FCC dockets 96-208 and 95-19)

Manufacturer's name: FarSite Communications Limited
60 Tempus Business Centre, Kingsclere Road, Basingstoke
Hampshire, RG21 6XG, United Kingdom

FarSite Communications Limited declares that the product FarSync T2Ee to which this declaration relates, meet the requirements specified by the Federal Communications Commission as detailed in the following specifications

- Part 15, Subpart B, for Class B Equipment
- FCC Docket 96-208 as it applies to Class B Personal Computers and Peripherals

The products have been tested at an external laboratory certified per FCC rules and has been found to meet the FCC, Part 15, Class B emission limits. Documentation is on file and available from FarSite.

Industry Canada

This Class B digital apparatus meets the requirements of the Canadian Interference Causing Equipment regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le máteriel brouilleur du Canada.

FarSite ↗
C O M M U N I C A T I O N S

FarSync T2Ee

QUICK START GUIDE
FOR WINDOWS AND LINUX

Thank you for choosing FarSync for your serial data communications needs. The FarSync product family provides a full range of synchronous data communications solutions. The model covered by this guide is:

> **FarSync T2Ee**
> Intelligent 2-port PCI-Express adapter for synchronous data communications over X.21 (V.11/RS-422), V.24 (X.21bis/RS-232-C) , V.35, EIA-530 (V.11/RS-422) and similar physical interfaces.

The installation of the FarSync T2Ee product has four basic steps.

- *Change the PCI card bracket (optional)*
- *Install the hardware*
- *Connect the cables*
- *Install the FarSync driver software*
- *Configure the FarSync drivers*

Refer to page 2 of this guide for more instructions on each step. Note that **Administrative privilege** is required to install the software under Windows. Installation under Linux should be performed as **root**. Use a web browser to view the file **install.html** file for further assistance on the installation process.

Manuals on the FarSync CD are in HTML or Adobe Portable Document Format (PDF). If you do not already have a suitable PDF reader installed, readers for a variety of platforms are available from Adobe.

Step 1 *Change the card bracket (optional)*

The FarSync T2Ee card is supplied fitted with a PCI retaining bracket suitable for use in a standard full-height PCI slot. The card may also be used in a low-profile PCI slot by replacing the fitted bracket with the alternative low-profile PCI bracket supplied with the card. **Take anti-static precautions when handling the card.** The retaining bracket is secured by the HD44 retaining nuts. Unscrew these two nuts and remove the existing bracket. Place the alternative low-profile bracket on the HD44 connector and fasten the new bracket to the connector using the same two nuts. Take care not to over-tighten the nuts as the threads may be damaged if excessive force is applied.

Step 2 *Installing the hardware*

> **Warning – Electrostatic discharge can damage integrated circuits on your FarSync card. Observe precautions for handling electrostatic sensitive devices.**
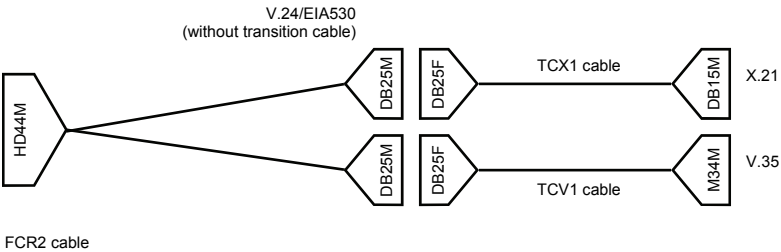
Shut down and power off the system. Identify a free PCI Express slot in your PC and install the FarSync T2Ee card, ensuring that it is properly secured with a mounting screw. The FarSync T2Ee cards are **PCI Express** cards that will operate in any PCI Express (PCIe) slot conforming to revision 1.0a or later of the PCI Express specification. This includes slots with x1-lane, x4-lane, x8-lane and x16-lane connectors.

Step 3 *Connecting the cables*

The FarSync T2Ee card has a single 44 pin high-density D-type female connector through which both ports are presented. Adapter cables are used to separate the individual ports.

FarSync T2Ee - Cable Assembly

The standard cable for the FarSync T2Ee card (type **FCR2**) presents each port on a DB25 male connector. Separate ports may be configured and directly connected to a V.24 or EIA-530 Network Termination Unit (NTU). Connection to an X.21, V.35 or other NTU requires a transition cable, as shown below:

Any combination of interface types is permitted on FarSync T2Ee.

The standard available transition cables are as follows:

Cable	Serial Network Connection(s)
TCX1	15 pin D-type male connector for V.11 (X.21/RS-422) use.
TCV1	MRAC-34 male 'brick' type connector for V.35 use.

The 44-pin connector of the **FCR2** cable should be firmly secured to the communications card using the screws in the connector hood. The connections between the transition cable and the serial interface cable(s) and the connection to the Network Termination Point should be firmly secured in a similar way.

Step 4 *Install the Driver Software*

The driver installation varies between the different supported operating systems, but in all cases the hardware should be installed first. Refer to the software CD or the FarSite web site for the latest information on supported environments.

Driver installation instructions for each supported operating system can be found on the software CD accompanying the product. The *install.html*** file in the root directory of the CD should be used as a starting point.**

Step 5 *Configure the FarSync Drivers*

Configuration of the FarSync driver software also varies between the many supported operating systems. Again refer to the documentation on the product CD for details of the mechanism suitable for your environment.

WARRANTY INFORMATION

Your FarSync T-Series Adapter carries as standard a return to base hardware warranty of 5 years from date of delivery. If you require support visit the Support area at www.farsite.com. If you wish to extend your warranty period or upgrade to full product maintenance cover, please contact your sales representative. Further information can be found at www.farsite.com/products/product_warranty.htm.

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>
> **By installing the software you agree that you have read and understood the license and agree to its terms and conditions**