Getting Started

Thank you for your purchase of the MCSI Trak MUX. This Getting Started Guide includes simple step-by-step instruction on the assembly and use of your Trak Reader/Writer.

Please contact our technical support if you have any questions. Call 979-531-1679 or email to support@profitfab.com

General

The MCSI Trak MUX uses ISO-15693 compliant technology comprised of both a reader and transponders. The reader is capable of reading and writing to the transponders via a remote antenna. Ranges vary with the size of the antenna and the size of the transponder.

Content

1 ea MCSI Trak MUX (16 port)
1 ea 6ft RS232 cable
1 ea 6ft RG59U antenna cable
1 ea 5-v regulated power supply

Installation

Antenna Installation

This device must be professionally installed. For more information about installation of antennas, please contact Micro Concepts & Solutions, Inc. via phone or email at the locations provided above.

Multiplexer Installation

1. Connect the serial data cable to the RS-232 port located on the back of the MCSI Trak MUX.
2. Attach the other end of the serial data cable to the 9-pin serial connector on the host computer.
3. Connect the power supply to the reader.
4. Plug in the power supply.

Software Installation

1. Refer to the MCSI Trak MUX software guide for software installation procedures.

Operation

1. To read MCSI Trak tags, place the tag near the antenna. Select the pull-down menu Maintenance and then select “Read Tag”. The software will display tag data, indicating whether the tag is a job tag, an employee tag, or a station tag. The software will also display either the job number, the employee’s name, or the station’s name.
2. To write data to an MCSI Trak tag, select the pull-down menu Maintenance and then select “Write Tag”. From the table, choose either Employee, Job, or Station. Select the appropriate record to program and click the “Program Tag” button. Writing to tags are only performed from the antenna connected to port 1 on the multiplexer.
3. The orientation of the tag to the antenna can affect read and write performance. For best results, place the tag parallel to the antenna housing directly above the center of the antenna.

Regulations

The MCSI Trak system contains an RF transmission device, and is subject to national and international regulations. MCSI has obtained FCC approval for use in the US.

> FCC ID: QJFTRAKMUX
> *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.*

Note: 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 instruction manual, may cause harmful interference to radio communications. 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 his own expense.

Caution

Any changes or modifications not expressly approved by Micro Concepts & Solutions, Inc. could void the user's authority to operate the equipment.

Troubleshooting

Item	Problem	What to do
Power	Message on screen indicates No Reader Detected	Ensure that all plugs are connected securely and power is applied
Communication	- Software does not recognize reader - Message on screen indicates No Reader Detected	- Ensure that all plugs are connected securely and power is applied - Make sure that reader is connected to correct com port
Tags	Cannot read or write	- Move tag closer to antenna - Try a different tag