

Serial Precision Clock

Installation Guide

English



LINDY No. 20983



www.lindy.com



General Information

- Your PC / Server must have an available RS-232 Serial port.
- The Serial Precision Clock must be located away from any devices that radiate electromagnetic radiation.
- Application software runs continuously in the background.
- No external power is needed as the LINDY Precision Clock takes its power from the RS-232 Serial port.

About Installation

Please follow the installation instructions exactly. This will ensure a trouble free installation.

Ensure that there are serial ports available. If your PC only has a 25 Way D interface available, then you can purchase an adapter from LINDY (No. 70030). Connect the LINDY Precision Clock to the RS-232 (9 Way D) Serial interface and proceed to install the drivers and software.

Make sure that when trying to receive a signal, the LINDY Serial Precision Clock is clear of any electrical devices (including monitors), as interference may affect the signal results. Once an optimal signal is obtained secure the LINDY Serial Precision Clock firmly.

Installation

Note: There is no need to power down your PC / Server.

Install the supplied CD into your CD Rom drive. The installation program will automatically run. Click "Next" and then choose the "LINDY Precision Clock" from the menu. Follow the on screen menu to complete installation and then click "Finish". The application software will automatically run.

Introduction

The LINDY Serial Precision Clock receives the MSF long wave time signal from the transmitter located in Anthorn in Cumbria. The 60 kHz carrier signal is generated from atomic clocks and can be received throughout the UK and in much of northern and western Europe and further depending on signal propagation and local interference.

The Serial Precision Clock time is updated automatically, including British Summer Time changes, without the need for any user intervention. It's the perfect solution for Systems, which require precise time information.

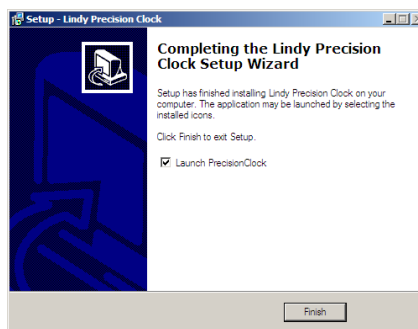
Features

- Unique compact design and easy installation
- Communication over RS-232 Serial interface
- Allows integration with a wide range of equipment
- Automatic update of Summer / Winter time
- Powered from the RS-232 port
- Compatible with Windows 98/ME/2000/XP/Vista/Linux

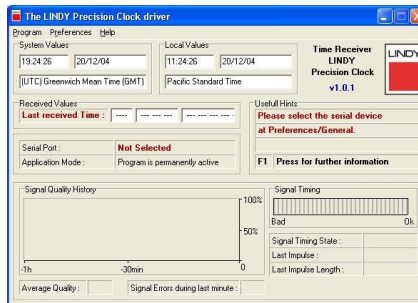
Package Contents

- LINDY Serial Precision Clock
- Mini CD with Drivers and Application Software
- This manual

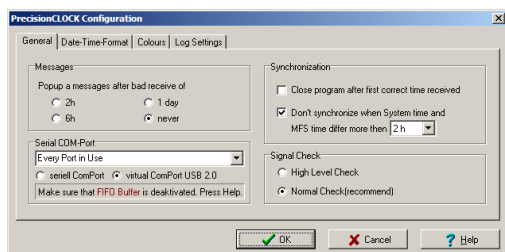
Configuration & Use



1. Once setup has finished installing click **Finish**:



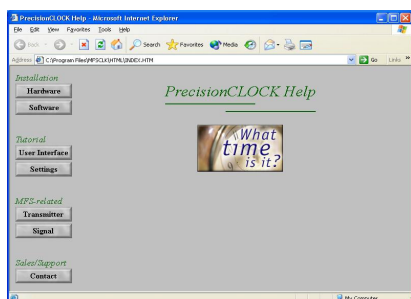
2. Application will automatically launch.



3. Select preferences to configure the COM port. Choose “Serial COM Port” from the menu. Click **OK**:

Precision Clock Help

At the Precision Clock Driver Window press F1 to access “Help”. Here you will find all the information you need to know about configuring and operating the Precision Clock.



CE/FCC/WEEE

CE Statement

This device complies with the European Regulations for Electromagnetic Compatibility (EMC) of the European Union and it is equipped with the CE mark. This unit has to be used with high quality shielded connection cables. Only if such high quality shielded cables are used can you be sure that the EMC compatibility is not adversely influenced.

FCC Statement

Shielded cables must be used with this equipment to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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. 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 turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna

Increase the separation between the equipment and receiver

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Locating the Precision Clock

Locate the Precision Clock in a position where the built in LED on the clock blinks green and then red regularly (about every second). This will be reflected in the main window by the Signal-Timing monitor.

Once a good signal has been established, minimise the main window and the software will continually monitor your system and update your PC / Server accordingly.

Troubleshooting

If you start to lose the signal -

Make sure no electrical equipment is presently near to the Precision Clock.

Ensure that the Clock has not been tampered with.

Check that the application is still running in the background. You should see the icon in the right hand corner of your task bar. If the LINDY Precision Clock logo is not there then restart the programme, ensure that the correct settings are active and then minimise the main window.



WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process. Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products.

More details can be obtained from your national WEEE recycling agency.

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