Battery Monitor 2 Software Description

A black and red battery monitor

Description automatically generatedThe Bluetooth battery monitor provides a means to remotely observe the voltage level in the dome power system and the associated charge state of the backup battery in real time. The client end of this monitor runs via WPF application on the observatory computer over Windows 10 or 11.

A screenshot of a monitor

Description automatically generatedThe software is free and downloadable from GitHub as a Visual Studio project. The code is written in XAML and C# with .NET 8.0. As a WPF application, the code should be able to be retargeted to Android, iOS or macOS without modification… in theory. The NuGet “InTheHand.Bluetooth” package is required for compilation.

The application can also be installed as an uncertified ClickOnce application (“publish” directory”). To install, download the “publish” directory, extract all and run “setup.exe”, with security permissions as required.

Installation of the Battery Monitor hardware in a Dome Shutter Power Subsystem (with MaxDome II):

