



ASTROMI.CH

MGBox V2 and MGBox recommended setup

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Introduction

This document describes the recommended setup for your MGBoxV2 or MGPBox (further referred to as MGBox) with your 10Micron mount.

MGBBox configuration

Firmware version

It is recommended to use the standard version of the MGBBox firmware. The current version at the time of this writing is 1.1

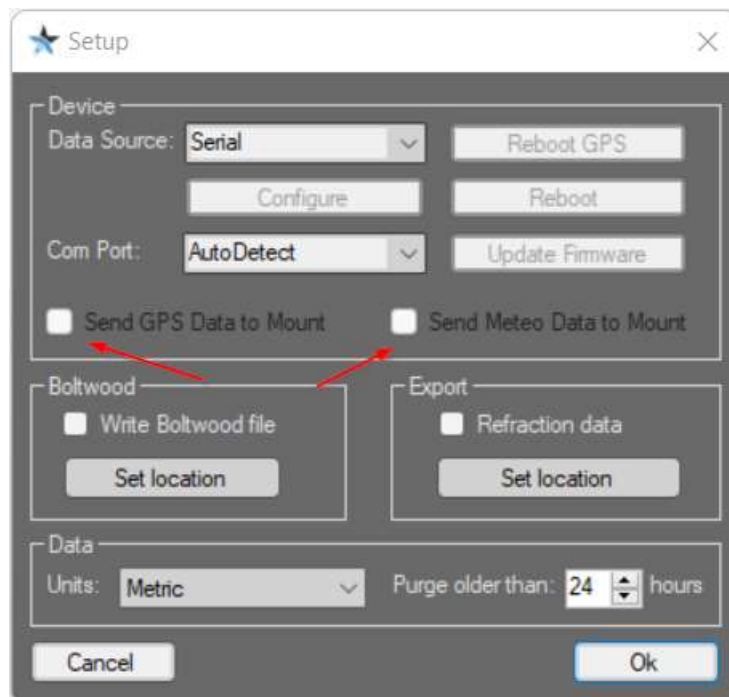
Cabling setup

Connect the MGBBox with your mount via the supplied RJ11 cable. On the mount's computer, this plugs into the GPS-Port.

If the data from MGBBox should also be available to other applications, you can also connect it to the computer with the supplied USB-Cable. This however is completely optional, once the initial configuration has been made.

Software setup

In the setup screen of the MGBBox Windows Application, set the desired option corresponding to the data that you want your MGBBox to send to the mount.



Mount configuration

Firmware version

Your mount needs to have at least a firmware version of 2.15.11 installed. The current (release) version at the time of this writing is 2.16

Mount Configuration

Ensure that the GPS-Port's configuration is set to "GPS" and that the mount is using the GPS-Data

- Menu -> Settings -> GPS port -> GPS
- Menu -> Local Data -> Use GPS data

Configure when the mount should update the internally used refraction data

- Local Data -> Refraction -> Weather station

Tips

Ensure that there is only ever one update source for data that is sent to your mount. This is not limited to refraction data, but also time (if you use a time sync application).

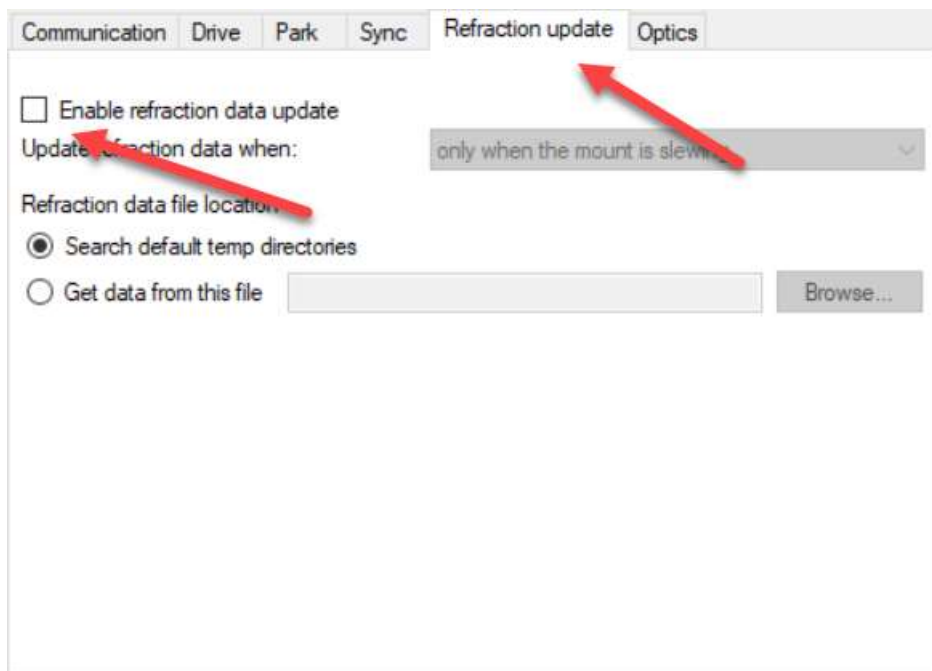
ASCOM-Driver

As you may know, the Windows Application of MGBox will write the refraction data from the box to a text file in periodic intervals, if the application is connect to a box (please refer to the manual of the MGBox for further details).

The ASCOM-Driver will read this text file and send the refraction data to your mount. This should be disabled to ensure that there's only one source of data for the mount.

Official 10Micron Driver

Ensure that the “Enable refraction data update” option is disabled:



Per Frejvall's Driver

Ensure that the options for updating refraction and time are disabled:

