

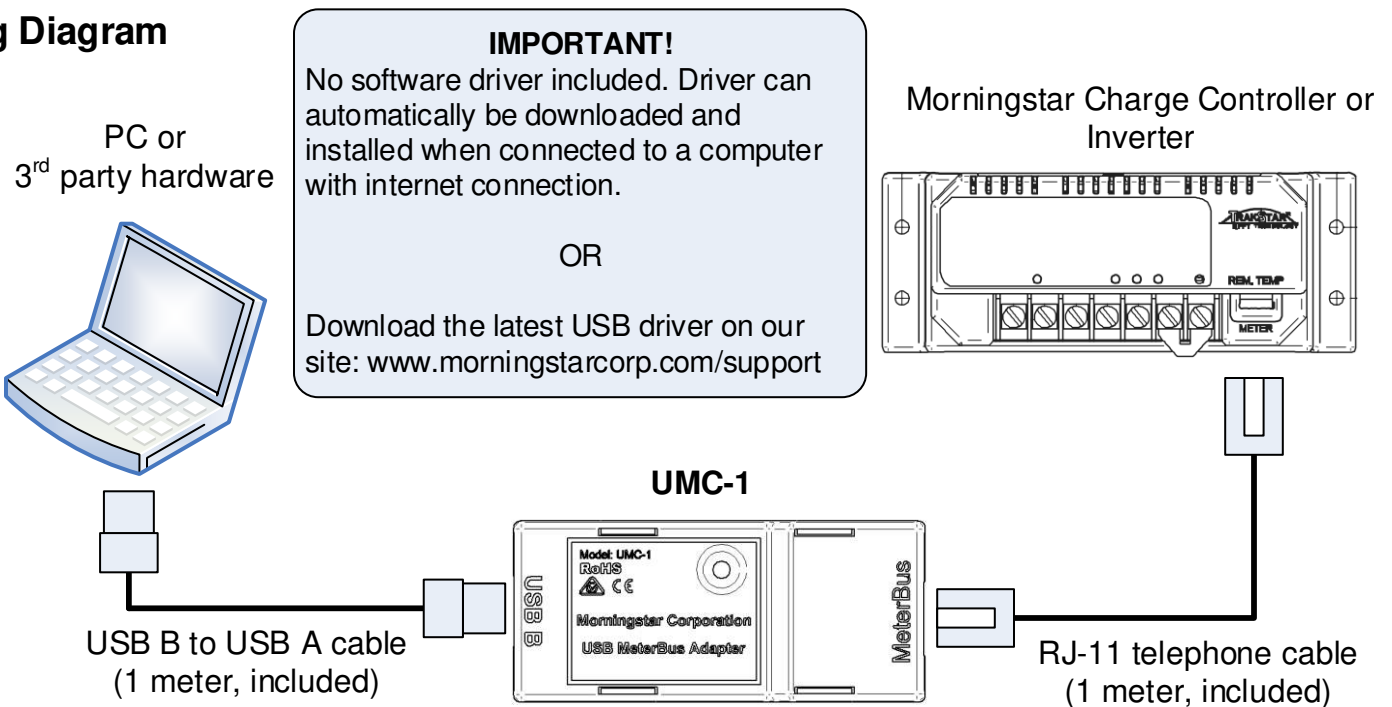
# Morningstar USB MeterBus Adapter

The USB MeterBus Adapter (model: UMC-1) converts the Morningstar MeterBus RJ-11 electrical interface to a standard USB 2.0 interface. This allows communication between a Windows-based computer and Morningstar charge controllers or inverters that have a MeterBus connection, but no serial or other communications port. This includes the ProStar MPPT, SunSaver MPPT, ProStar, SunSaver DUO, and SureSine products. The UMC-1 can be used for:



- Programming custom charging set-points
- Downloading, viewing, and logging data using Morningstar's MSView PC software
- Uploading new firmware
- Communication with any 3rd party hardware that supports MODBUS™ communication.

## Wiring Diagram



### Notes:

- 1) 4-conductor or 6-conductor telephone cord is acceptable.
- 2) The UMC-1 is fully opto-isolated. USB electrical ground is NOT the same ground as RJ-11 / controller.
- 3) LED status indicator (OFF: No connection; Green: Connection OK; Orange: Communication activity).
- 4) UMC-1 is DIN Rail mountable.
- 5) MODBUS documentation including register locations, scaling, and definitions can be found on [www.morningstarcorp.com](http://www.morningstarcorp.com)
- 6) See Morningstar Communications Doc at: <http://support.morningstarcorp.com/wp-content/uploads/2014/07/MS-Comm-Document-2010.pdf>

WARRANTY: Five year warranty period. Contact Morningstar or your authorized distributor for complete terms.