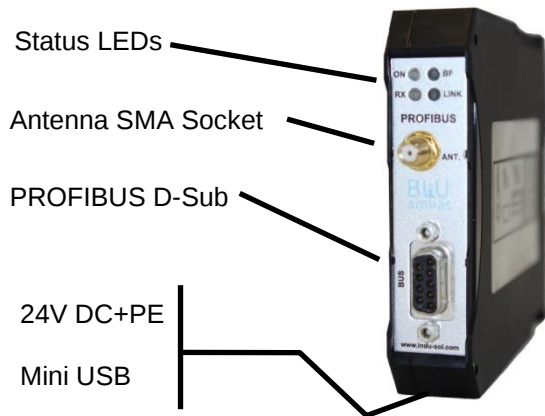


Quick-Start BLUambas® PROFIBUS IP20

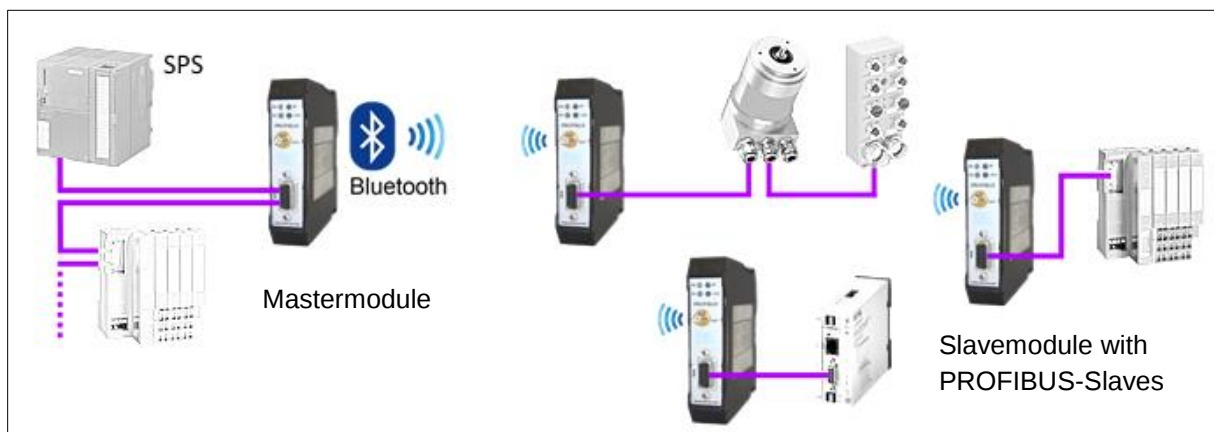


LED	Bedeutung	
ON	green	Power Supply OK
BF	Off	PROFIBUS Communication works
	Red	No PROFIBUS recognized
	red flashing	Communication failure of PROFIBUS Slave
RX	Yellow	Receiving data via wireless
LINK	Blue	Bluetooth connection works fine
	flashing	(Slave) Searching for Master

Type	Number of Masters	Number of Slaves	Bandwith
BLUambas® PB classic	max. 1	max. 4	max. 1,5 MBit
BLUambas® PB comfort	max. 4	max. 4	max. 1,5 Mbit
BLUambas® PB premium	max. 4	max. 8	max. 1,5 MBit

Step 1:

The BLUambas® is available as a Master or Slave. You need at least one Master and one Slave to establish a Wireless connection. Connect the Master with its PROFIBUS D-Sub to the PROFIBUS which has a connection to the Controller. One Master can communicate with a maximum of four Slaves. (depends on the Type of BLUambas®).



Step 2:

Connect the BLUambas® with its 24V DC Power Supplement. Connect the antenna with the SMA-socket. If it is possible than set both antenna (of the Slave and the Master) this way that they can see each other.

The BLUambas® is already configured. All PROFIBUS-devices which are connected to the Slave are automatically recognized. Further configurations are only necessary if you want to change the default set up.

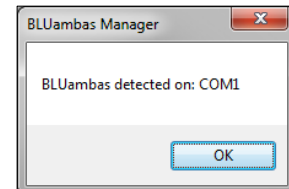
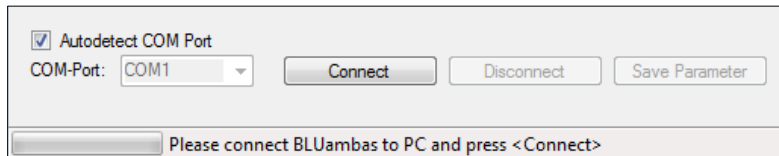


Quick-Start BLUambas® PROFIBUS IP20



Set Connection:

The BLUambas® is configured by the software BLUambas® Manager. Install the software and the drivers on your computer, connect your computer to the device and switch on the power supplement of the device. Select „Autodetect COM Port“ and click the button „Connect“. Confirm the recognized Port with „ok“. After that the selected BLUambas® appears on the left site on the directory tree.

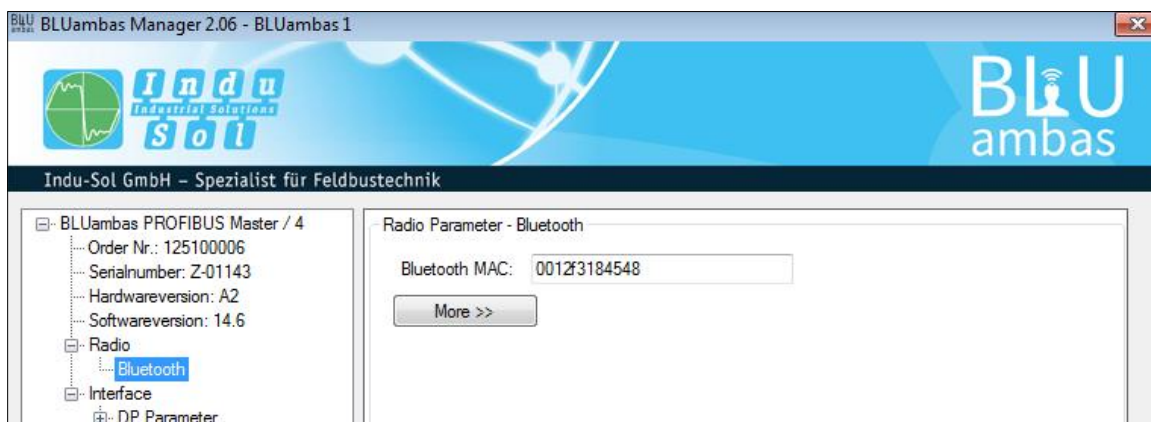


Bluetooth Configuration Master:

Connect the master with the BLUambas® Manager. Configure in the menu „Radio“ the station address of the Master as well as the station address of the Slaves. You can connect the Master with up to 4 Slaves. All devices receive a unique station address. Enter in the field „Partneradressen“ with „Add“ the station addresses of the Slaves.



Note down the Bluetooth MAC which you find in the menu „Bluetooth“ („Radio→Bluetooth“). This address needs to be entered at the Slave-devices.



Quick-Start BLUambas® PROFIBUS IP20



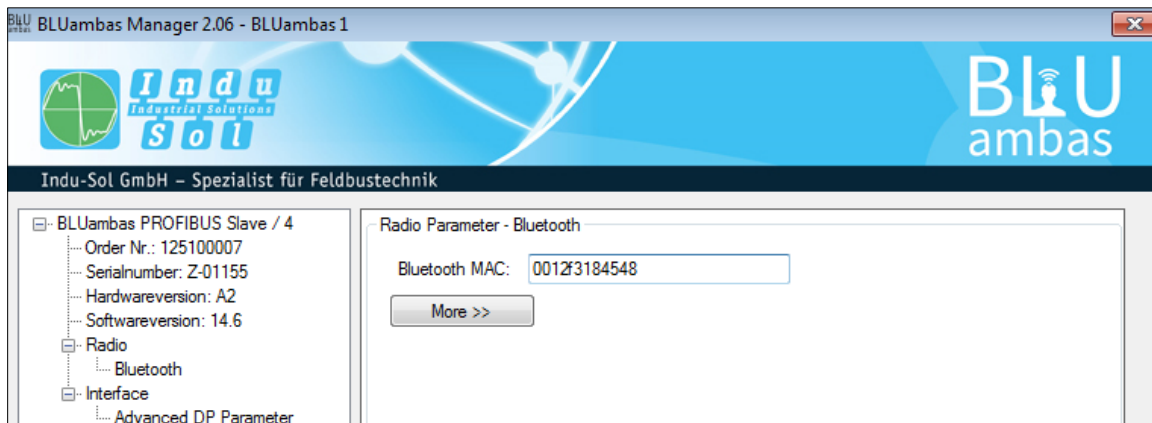
- ➔ Click „Save Parameter“
- ➔ Click „Disconnect“

Bluetooth Configuration Slave:

Connect the Slave with the BLUambas® Manager. Configure in the menu „Radio“ the station address as well as the partner address. The Slave can only be connected with one Master. All devices receive a unique station address. Enter in the field “Partneradressen” the station address of the Master.



Configure the MAC address of the Master in the menu Bluetooth („Radio→Bluetooth“). This is the address you noted down in the step before.



- ➔ Click „Save Parameter“
- ➔ Click „Disconnect“
- ➔ Repeat this step for all other Slaves which belong to the master.



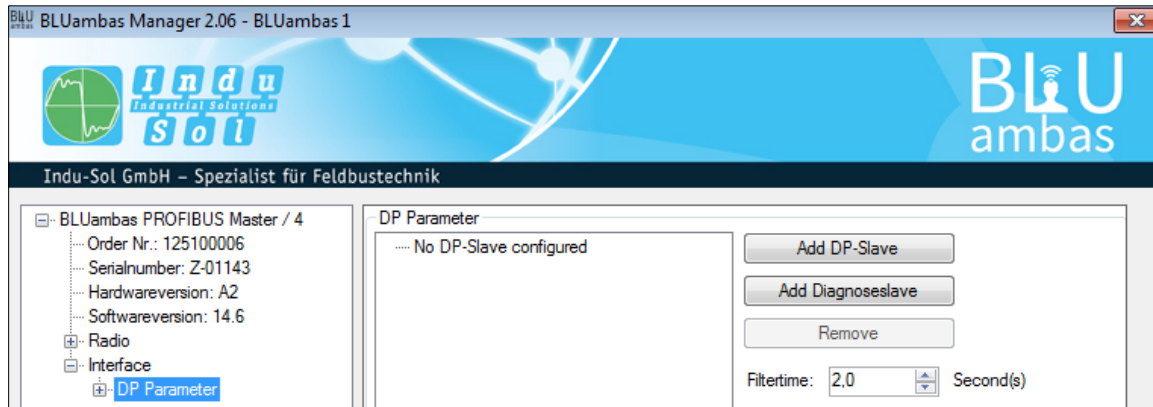
Quick-Start BLUambas® PROFIBUS IP20



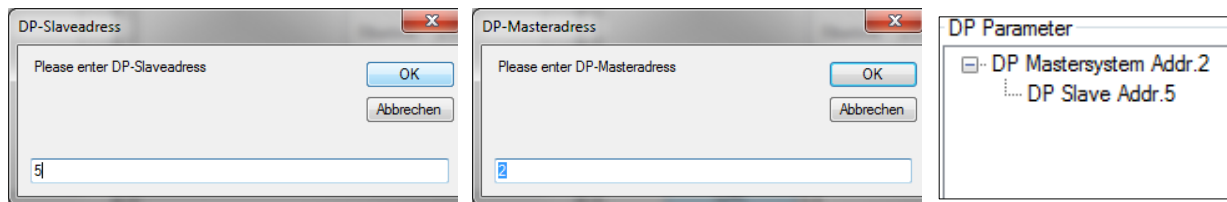
PROFIBUS DP slave configuration:

As of firmware DE32_M83 or DE32_S83, PROFIBUS slaves are automatically recognised. If you are using an older firmware, proceed as follows:

Connect the radio master to the BLUambas® Manager. Configure the PROFIBUS addresses of all PROFIBUS DP slaves behind the radio link at "Interface → DP Parameter".



Click "Add DP-Slave" and enter one of the PROFIBUS slave addresses. Confirm the entry with "OK" and then enter the PROFIBUS master address for this slave. Confirm the entry with "OK".



Depending on the BLUambas® version, you can assign up to eight PROFIBUS slaves to any PROFIBUS masters.

- ➔ Click on "Save Parameter"
- ➔ Click on "Disconnect"



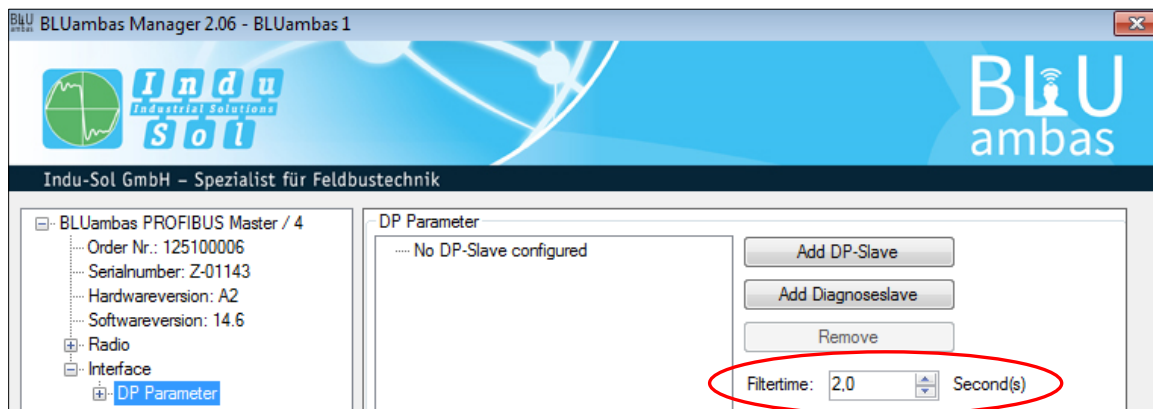
Quick-Start BLUambas® PROFIBUS IP20



Configuration Filtertime:

In the reality it is often not possible to guarantee a Wireless connection without any disruptions. To prevent problems by losing the connection for a very short time you can configure a “Filtertime”. If a Slave isn’t reachable because of a disruption in the wireless connection than this error is only reported to the PROFIBUS-Master when the “Filtertime” is exceeded. Because of that setting you can increase the availability of your network. Please note that the real-time capability is harmed the higher the value of “Filtertime” is set.

You can configure the “Filtertime” on the BLUambas® Master. Therefore you need to open the menu “DP-Parameter” (“Interface→DP Parameter”). The Filtertime can be configured from 0,1 – 25,5 seconds.



- ➔ Click „Save Parameter“
- ➔ Click „Disconnect“

