

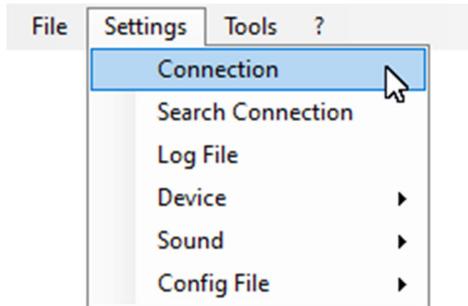


Technical Note 231101

Allflex Connect – ASR650 Settings

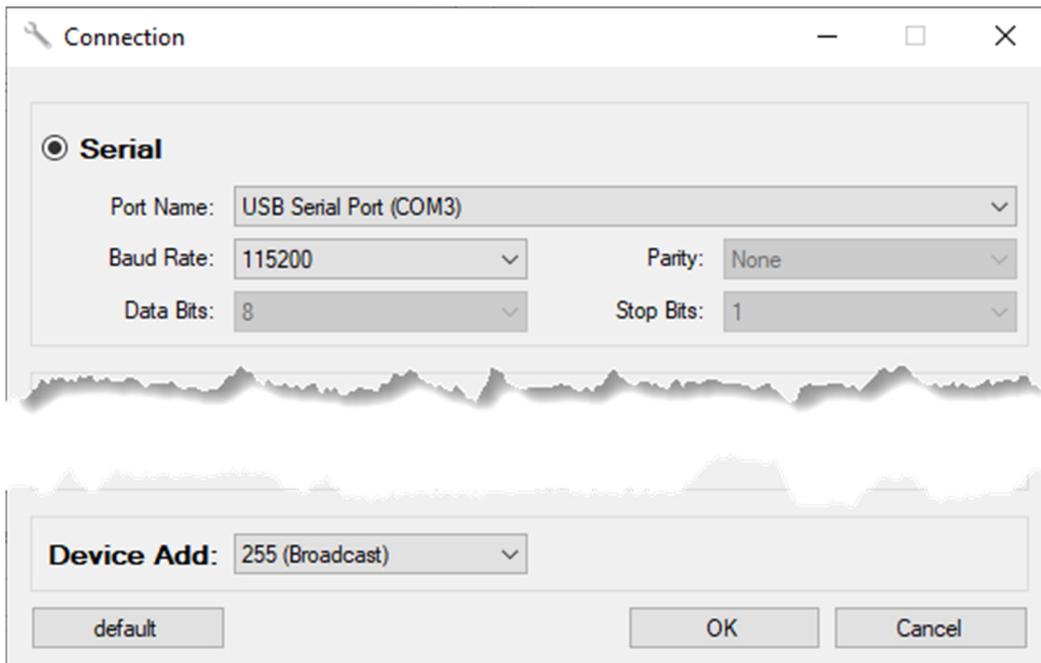
To ensure that the Allflex Connect App works properly with the ASR650, these settings must be changed, and others must be confirmed.

Before the App can connect to the ASR650 via Bluetooth, check the Bluetooth settings using ASR-PC-Demo and a serial connection like RS232. An RS232-to-USB converter may be required if there is no RS232 ports on the PC.

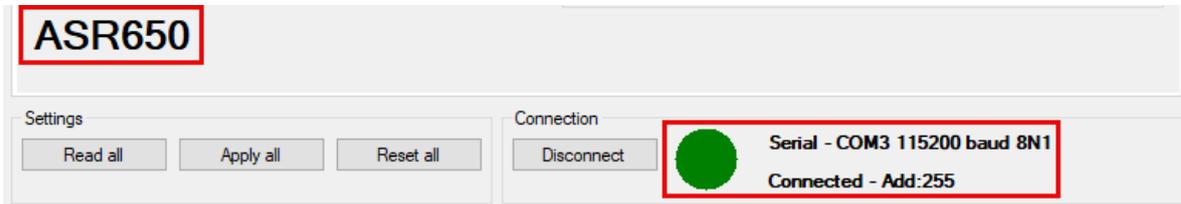


Select the 'Connection' item in the 'Settings' file menu.

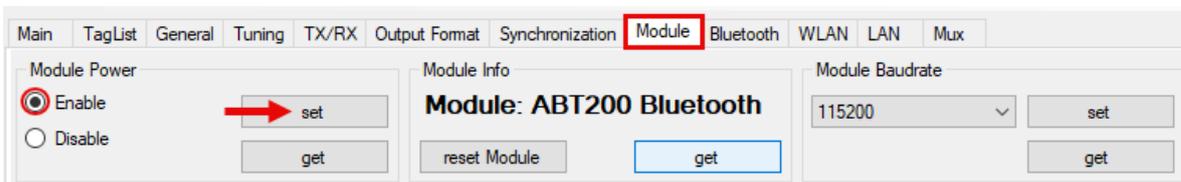
Select the correct serial port and the correct baud rate, default baud rate is '9600'. Then open the connection by clicking the 'OK' button.



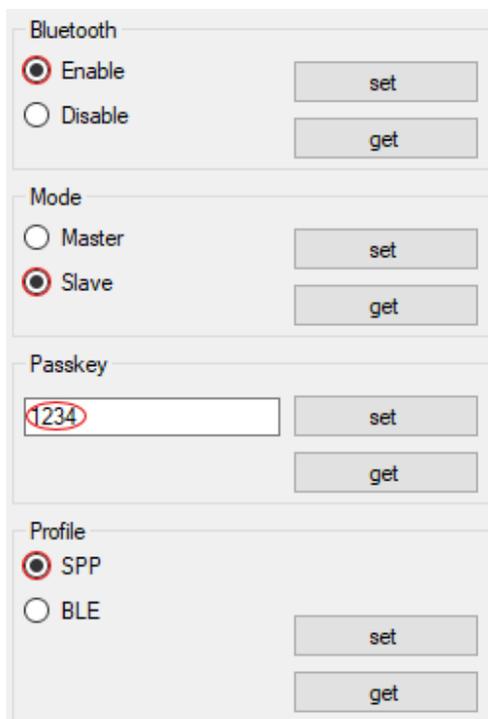
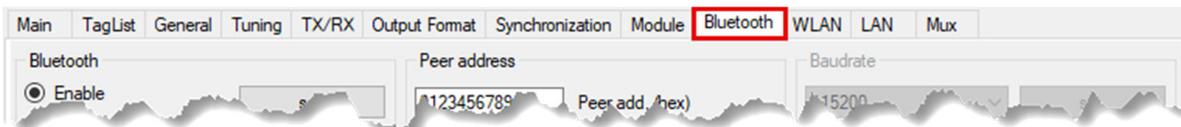
A successful connection is shown at the bottom of the main window:



The first setting to be changed is the 'Module Power' that is available under the tab 'Module'. Select 'Enable' and send the setting by clicking the 'set' button.



Now switch to the 'Bluetooth' tab and change the settings as described below.



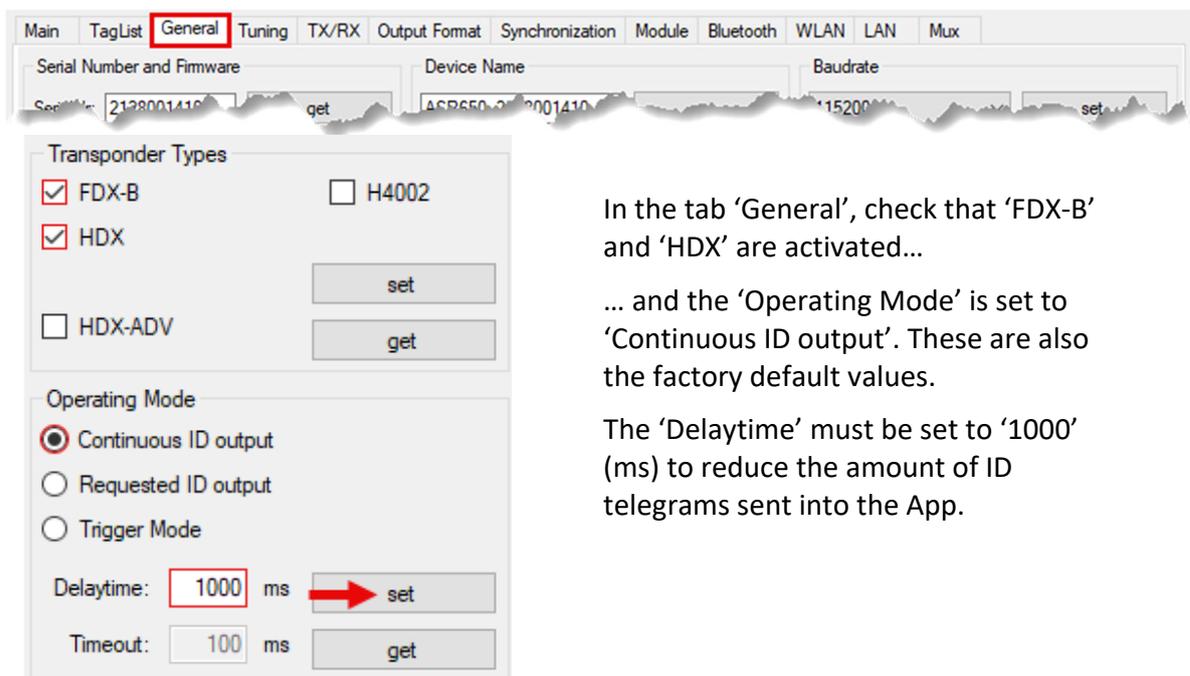
Set 'Bluetooth' to 'Enable' and the Mode to 'Slave'.

Ensure the Passkey is '1234' and the Profile is 'SPP' – these are the default values.

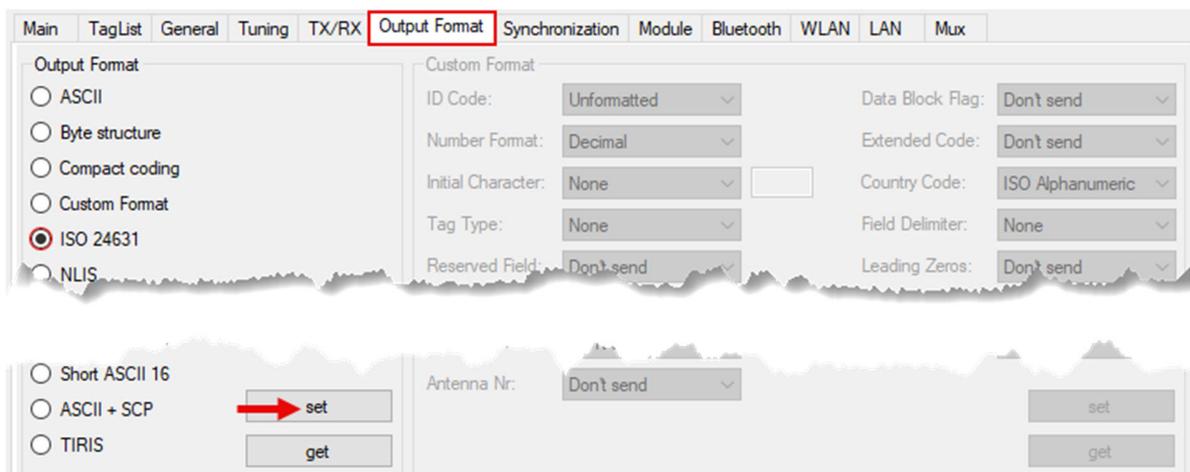
The yellow and then the green LED on the ABT200, Bluetooth add-on module on the ASR650, should now be activated. The blue LED switches on when there is an active Bluetooth connection.

Now the Allflex Connect App should be able to find the ASR650 over Bluetooth and to connect successfully.

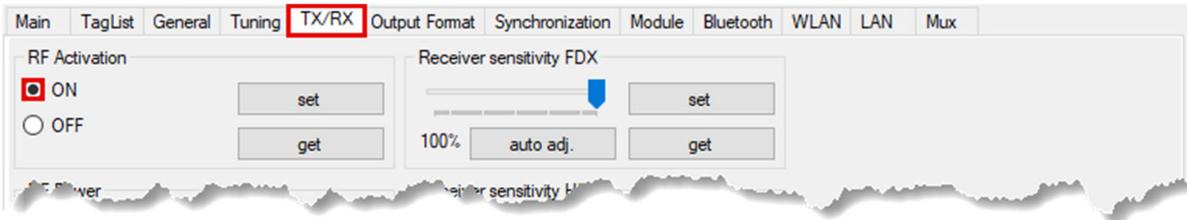
There are other important settings to allow the App receiving the EID numbers to receive them correctly. These settings are explained below. Some of these settings are factory default values but still should be confirmed since they might have changed.



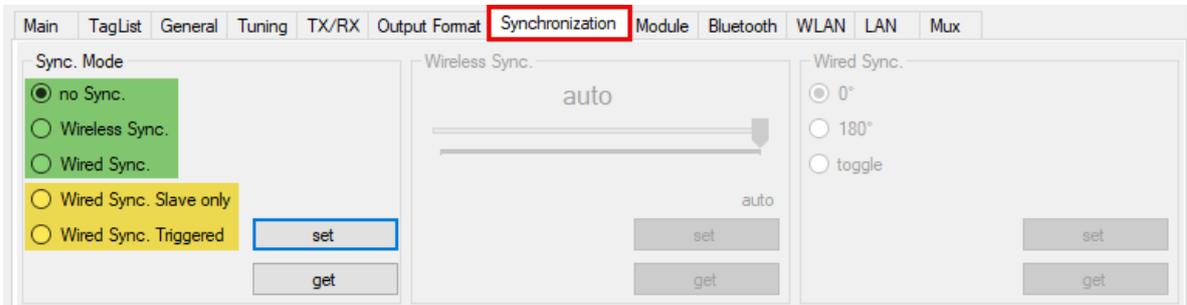
The 'Output Format' must be set to 'ISO24631':



'RF Activation' must be set to 'ON':



Set Synchronization to 'no Sync.' when no other reader operates in close vicinity. When using the settings 'Wireless Sync.' or 'Wired Sync.', the ASR650 will take the Sync Master role after a very short time when it does not receive a sync signal from another reader. These 3 settings should not cause any problems.



Using 'Wired Sync. Slave only' and 'Wired Sync. Triggered' can cause problems when there are no required signals coming from external devices, the ASR650 will not activate its RF field and hence no EID tags can be read. These two settings are only used in special applications and should not be selected for standard operation.