Password Protection

Introduction

As of MPXConfig3 V3.22.0 in combination with firmware V3.42.0, the configuration of a MiniPlex-3 can be protected with a password. Once a MiniPlex-3 is locked with a password, MPXConfig3 will prompt you for a password each time to connect to it. The MiniPlex-3 is always shipped without a password and it is not required to use password protection.

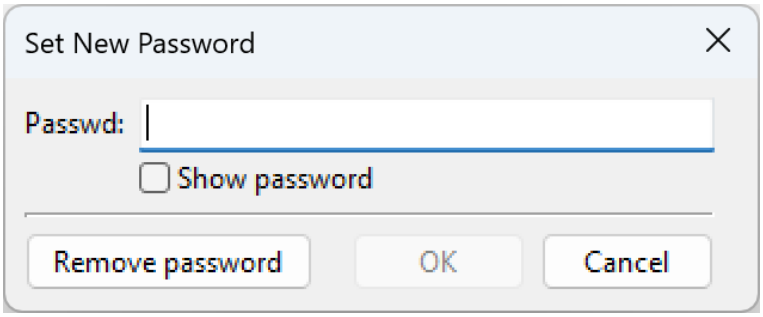
Setting a Password

Setting a password always requires physical access to the MiniPlex-3 and the procedure is secured with a form hardware locking.

To be able to set, change or remove a password, the following steps must be executed:

1. Remove any connection to NMEA In4 and NMEA Out1
2. Connect NMEA In4 to NMEA Out1 using two pieces of wire, connecting In4 A to Out1 A and In4 B to Out1 B respectively.
3. Cycle the power to the MiniPlex-3.
4. Connect MPXConfig3 with the Connect button or -if already connected- click on the **Read Configuration** button.

A new menu item **Set Password** will now appear in the **Tools** menu. Select this menu option to show the Set Password dialog:



The password must be 8 to 32 characters in length and any character, symbol or number may be used. If the password has sufficient length, the **OK** button will be enabled.

The **Remove Password** button removes the password from the MiniPlex-3 permanently.

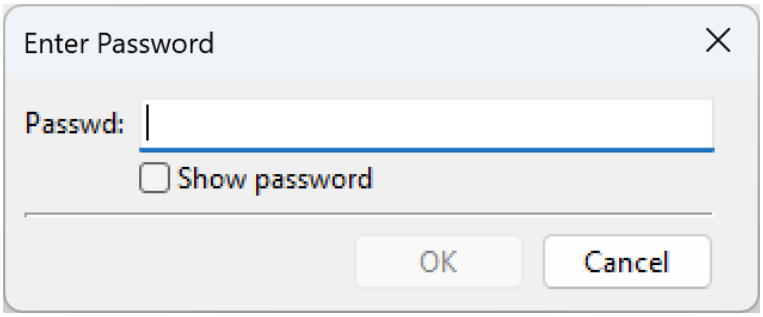
Once the password is entered, the MiniPlex is locked and no longer responds to any change of settings.

Click on the **Read Configuration** button to bring up the password dialog and enter the password to unlock the MiniPlex-3 for further configuration. The power must be cycled again to change or remove the password, even if the link between In4 and Out1 is still present.

When the password is set remove the link between NMEA In4 and NMEA Out1 to secure the MiniPlex-3.

Connecting and Entering Password

When connecting to a password protected MiniPlex-3, the **Enter Password** dialog will appear where the password must be entered to unlock the Miniplex-3:



When you disconnect from the MiniPlex-3, it will be locked automatically after 5 seconds. Connecting again within 5 seconds will not prompt you for a password.

The password protection only protects against unauthorised change of the configuration of the MiniPlex-3. On a MiniPlex-3E or a MiniPlex-3E-N2K, it does not protect against changing the network settings as these are completely handled by the self-contained XPort network module.