

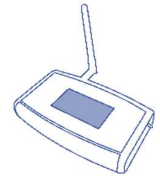


Application Notes

Rev 02.

AN21 - Replacing an IPC in the field – Configuration changes

Important. This note applies to EP3 firmware versions 5.02 or later



Each IPC is defined by a unique serial number. The IPC list can only communicate with IPCs which have a predefined serial number and configuration list entry. From time to time, if a fault occurs, the IPC may need replacing. This means that the IPC serial number and its radio address (commonly called a MAC address) need to be changed in the configuration file and IPC list, in order to communicate with the replacement device.

The serial number is always printed on a label on a large metal capacitor inside the IPC and visible from the rear of the device.

The EP3 facilitates swapping IPCs by allowing the user to enter a replacement serial number and MAC address into the IPC list which can then be saved back onto the SD Card for a permanent record.

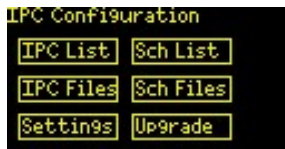
Replacement Steps

To replace an IPC find the IPC in the IPC list to be replaced, modify its serial number and MAC address then save the new entry onto the SD Card. Follow these steps:

1. From the main menu tap **IPC List**. Locate the IPC to replace either by scrolling the list or by jumping to the IPC serial number. Tap **view** to display the IPC details.
2. To change the serial number tap the serial number (e.g.7641) on the screen and a keyboard will pop up and enable a new serial number to be entered
3. To change the radio MAC address tap the address (e.g. C0:98:C2:EB, see important note below) and a keyboard will pop up. Enter the new MAC address (the screen will automatically insert the “:” separators), then press enter.
4. The IPC entry in the IPC list will be updated to show the new values. The device can now be communicated with to return the status.
5. If the IPC is new and running version 5 firmware, it may not have the correct FarmID or radio channel so set the radio channel first (if necessary, scan the channels if the replacement device radio channel is unknown).
6. Once the radio channel is correct program the FarmID (if the site uses one)
7. Having verified communications, save the IPC list to a new configuration file. From the Main Menu tap IPC files then tap save. Tap back to go up a level then back into the IPC files to refresh the file list. A new configuration file will be displayed. This is the configuration file that will be loaded in future. The user can rename the files on a PC if desired.
8. **IMPORTANT** – if you modify the IPC list and you are using an INC or IMS software system make sure you send the changes to Water-Insight to maintain synchronisation of our records and to ensure continuity of software operation. You will need to load the new list into the INC as well.

Important Note.

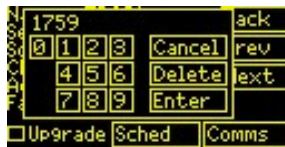
The MAC address is often shown in IMS as a sequence of 12 alphanumeric characters e.g. 00:FE:C0:98:C2:EB. You must only enter the last 8 (i.e. C0:98:C2:EB)



Main Menu



Details of old IPC to be replaced



Keyboard entry new serial number



Keyboard entry new MAC address



New IPC details



Save IPC list to new file



New IPC file (with replacement IPC)

For more information contact Water-Insight support@wateinsight.co.nz