



Application Notes

Rev 02

AN07 - Downgrading IPC Firmware from Version 5 to Version 3

Introduction

Use this cheat sheet as a reminder on how to downgrade your IPCs to V3 firmware assuming you are currently on IPC firmware V5.00 or later.

This is best done when irrigation is not happening. It is assumed you have a new podlist from Water-Insight with FarmID information included. You will also need a podlist without the FarmID.

It is also assumed that an INC can distribute the time and schedules at a later date if necessary.

Your EP3 running V5 firmware will be used.

You can email Water-Insight for support at support@waterinsight.co.nz

Instructions.

1. Load a V5 podlist (FarmID) and schedules into your EP3 that has the FarmID set for each IPC in the file.
 2. Tap Upgrade > option
 3. Select OTA, Filter List, Ch 9 checkboxes
 - a. Untick filter list if you don't care about the IPC list view (you can turn it on or off at will to view the units selected for upgrade or not)
 - b. Untick No FarmID checkbox
 4. Tap all to select all units in the podlist
 5. If you do not want to downgrade all units then from the main menu tap IPC list then select the IPC you wish to downgrade then tap view and select its upgrade checkbox
 6. From the main menu tap settings > comms
 7. Select "Use Broadcast header"
 8. From the main menu tap upgrade
 9. Select the IPC application (e.g. IPC-App-v3.14.bin) then tap load
 10. Tap poll to start the OTA sequence
 11. The units will be downgraded one at a time until the EP3 says finished.
 12. Once done turn off the broadcast header option
 13. Load a V3 podlist (noFarmID)
 14. Now you should be able to check the status of individual IPCs.
- To optimise the processes you can set up the setting and ota options in a different order than listed above
 - If you load a new (V5) podlist you will not get comms after the downgrade because the EP3 will be trying to use new (V5) message formats
 - If you have broadcast header checked you will not be able to communicate to V3 units because the EP3 will be trying to use new (V5) message formats
 - Please refer to the EP3 manual for more detail
 - If a unit fails to programme you will need to repeat the process or visit the post/pod and use the magnet method.

MAKE SURE YOU ARE IN CLOSE RADIO RANGE!!!

DON'T DO THIS IN THE RAIN!!!

IF IN DOUBT SELECT 10-20 UNITS AT A TIME

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

