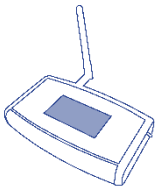
WATER-INSIGHT

Application Notes

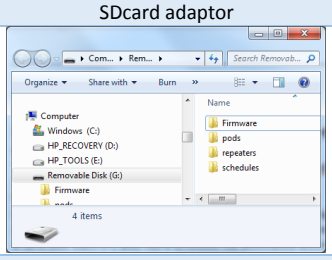
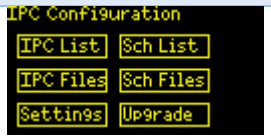
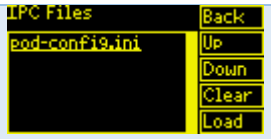
Rev 02.
This document applies to Version 3.xx or V5.xx IPC firmware but pictures shown may vary slightly depending on the EP3 firmware version in use.

AN30 - Updating the Podlist and Schedules using the EP3



This document tells you how to use your EP3 to update the podlist and schedules for IPCs in your system when you have been given new files to load.

IPC configurations and schedules are held on a SDcard (data card), which is inserted into the EP3 and then loaded. They are stored in a very specific way on the SDcard. Follow these steps to update your SDcard, then load and distribute schedules:

Step	Description	Note
1	Insert you SDcard into your PC. If you have a PC (or laptop) with a SDcard slot built in then insert the card in that slot, otherwise plug the SDcard adaptor shipped with your EP3 into a USB slot in your PC and insert the card into the adaptor.	 SDcard adaptor
2	Open file explorer and display the files and folders on the SDcard. When storing folders onto the card then the folders pods, repeaters and schedules must be displayed in the root folder. Additionally, if you ever need to upgrade firmware in your IPC or EP3 then the firmware files must be stored in a folder called firmware	
3	If you are emailed new files then they may be sent to you zipped up into a "zip" file. Save the zip file onto your PC and extract the files and copy them over to the SDcard. Now remove the SDcard.	Note. On older PCs you may need to eject the SDcard by right clicking on the drive letter in file explorer and then selecting "eject" from the pop up menu in order to safely remove the card.
4	Insert the card into your EP3 and turn it on.	 Main menu
5	Tap the **IPC files** button. This lists the pod configuration file. If there is more than one, use the up/down buttons to select the one you need. The selected file will be underlined. Usually there is only one pod file. Now tap the **load** button.	 Ipc files

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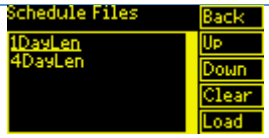
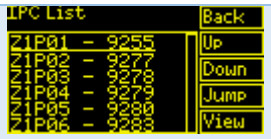
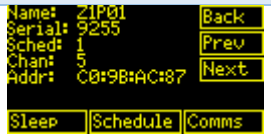
6	Return to the main menu by tapping the back button if necessary. Now tap the Sch files button to get ready to load the schedules into the EP3. If there is more than one set of schedules use the up/down buttons to underline (select) the schedule set you want. Now tap the load button to import the schedules to the EP3. Tap OK once they are loaded.	 **It pays to make sure that the number of schedules loaded matches what you expect, the number of IPCs**
7	Verify that you have loaded the schedules by returning to the main screen and tap the **Sch List** button. All the schedules for your system will be displayed. You can tap the view button to get more details.	 Schedule list
8.	Now get ready to send the schedules out to each unit. Check the time and date and cycle day period is correctly set on the EP3 and if necessary do a Timeset to the IPCs. (refer to user manual).	MAKE SURE THAT THE TIME AND DATE IS CORRECTLY SET ON YOUR EP3 AND THE PERIOD IS CORRECTLY SET TO THE NUMBER OF DAYS IN YOUR SCHEDULE CYCLE.
9.	Return to the main menu and tap the **IPC list** button to display the IPC names on your system. Scroll up or down to select the IPC of interest and tap **view**.	 IPC list
10.	To send the schedule to the selected IPC tap the **comms** button.	 IPC details
11.	Tap the checkbox next to *schedule* and tap the check box next to *local* to select the function to send the schedule using local communications.	 IPC Comms functions Make sure you are within radio range of the IPC when you do this. If you are not sure if you are close enough check the status checkbox then tap send to check to see that the IPC responds.
12.	When you are ready to send the schedule tap the **send** button.	
13	If you want to progress to the next IPC in the list tap **back** and then choose **next** or **prev** to progress through the list of IPCs.	
14	Once you are all done turn off your EP3.	

The best way to update your IPC out in the field is to be reasonably close to it, although the radio on the EP3 can sometimes work up to a few hundred metres. Its best to poll the IPC for its status before updating its schedule as a way of checking that you are in radio range of the IPC.

It's always a good idea to make sure the IPC time is up to date by checking its status and if necessary sending a timeset to the IPC from your EP3. (Make sure the time on your EP3 is set correctly first!)

Once you tap send you will receive an acknowledgement. It's a good idea to stay on the comms page and tap the status checkbox then tap send and this should come back with confirmation that the schedule has been received and matches the schedule for that IPC on you EP3. You need to repeat this process for every IPC name for which you have changed the corresponding Schedule ID.

If you don't know how to check the status of an IPC, set is time or other similar functions then please refer to the EP3 User Guide supplied with your unit, or contact Water-Insight and we will send you a copy.

For more information email support@waterinsight.co.nz

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