

Engineering Note: EN0093 - Upgrading Hydro-Control VI Software

Summary: This note describes a faster method for upgrading systems running Hydro-Control VI Software.

Products affected: Hydro-Control VI (HC06)

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Summary

Some systems that have previously exhibited slow boot times running Hydro-Control VI software and have long mix times, may take several hours to upgrade the software. This may also happen if the maximum mix log records parameter has been set very high.

In order to avoid a lengthy upgrade process the mix log should be backed up and cleaned using a Windows PC running the HC06 Database editor. This clean database can be restored to the Hydro-Control VI prior to upgrading. This will reduce the upgrade process to around 7 minutes. This note describes how to do this.

Procedure

1 Creating a back-up database

To use the Database Editor a back-up of the Hydro-Control VI database has to be completed first.

1.1 Backing up the database

To back up the Hydro-Control database install a USB memory stick into the side of the Hydro-Control VI.

Select Menu from the Hydro-Control VI overview screen (Figure 1).



Figure 1: Hydro-Control VI Overview Screen

Select System Parameters (Figure 2).



Figure 2: Hydro-Control VI Main Menu

On page one of the system parameters (Figure 3), select Backup/Restore. A message box will be displayed, select Backup. The unit will now create an SDF file saved to the root of the memory stick.

SAVE A COPY OF THIS DATABASE IF MIX LOG DATA MUST BE RETAINED.

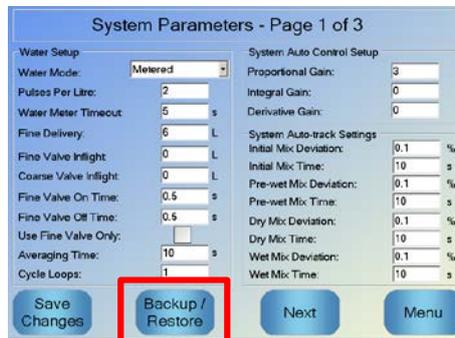


Figure 3: Hydro-Control VI System Parameters Screen

For details about the back-up process see the Hydro-Control VI installation guide HD0455 and the Hydro-Control VI user guide HD0456.

2 Delete MixLog Data

Start the database editor software and the Open Database screen will be displayed (Figure 4).

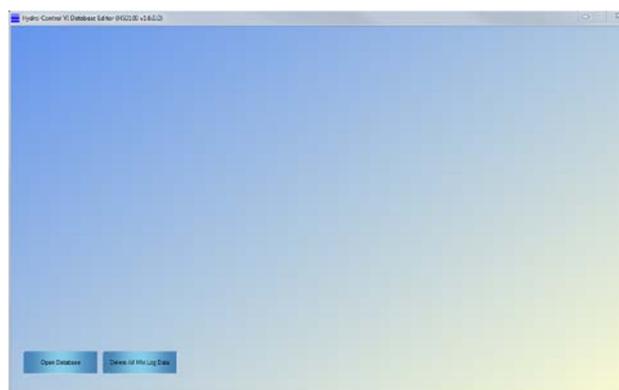


Figure 4: Open Database Screen

There are two options available to clean the Database (Delete Mixlogs).

2.1 Option 1: Delete all Mixlog Data from the Open Database Screen.

Click 'Delete All Mix Log Data' on the Open Database Screen (Figure 5). Select the database and confirm the deletion of the data.

Once the data has been deleted copy the file back to a USB stick and insert in the Hydro-Control VI.

Using this option will remove all data from the Mixlog, this includes any Mixlogs used to calibrate the Hydro-Control VI recipes. The calibration data for the recipe will be retained and the Hydro-Control VI will operate normally, however, if the Mixlog data used to generate the calibration is required this option should not be used.

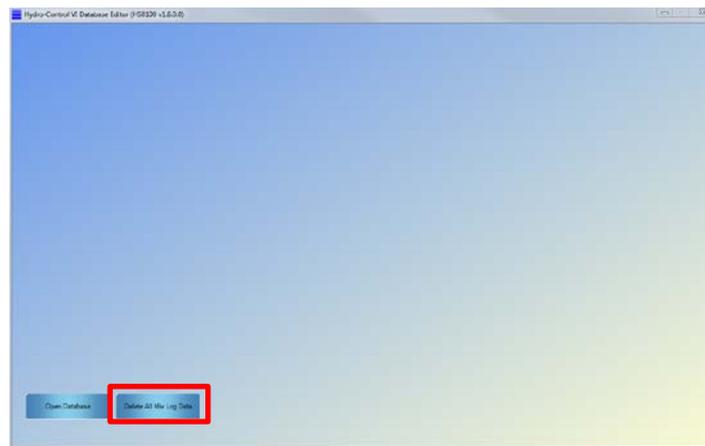


Figure 5: Delete all Mixlog Data Option 1

2.2 Option 2: Delete all MixLog Data Retaining the Calibration MixLogs

If the calibration Mixlog data needs to be retained the database can be cleaned using the 'Delete all Mix Logs and Traces' facility.

Click 'Open Database' from the Open Database screen and select the required database (Figure 6).

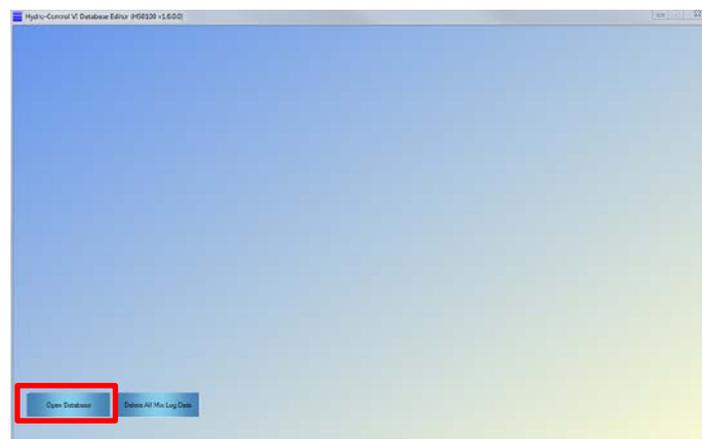


Figure 6: Open Database

Select 'Log in' from the main tab. Enter password 0336 and click 'Enter' (Figure 7).

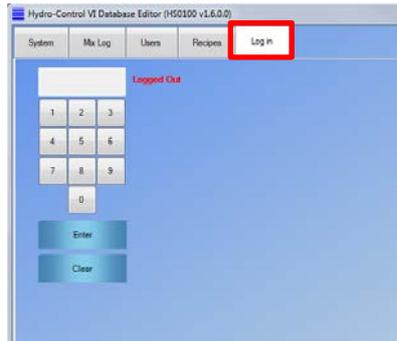


Figure 7: Log in

Select 'Mixlog' from the main tab (Figure 8).

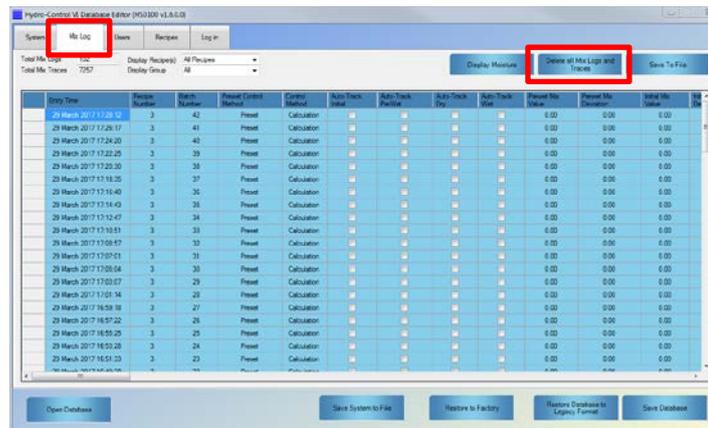


Figure 8: Mixlog Tab

Click 'Delete all Mix Logs and Traces'.

The following dialog option box will appear (Figure 9). If the Calibration Mixlog data needs to be retained select 'Retain Calibration Mix Logs' and click OK.

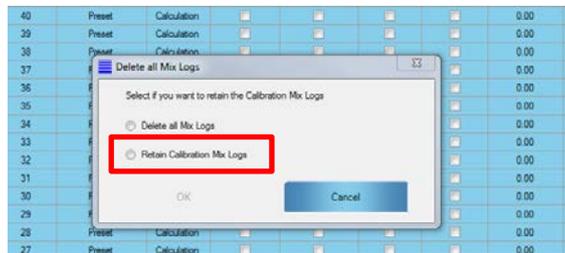


Figure 9: Delete all Mixlog Options

If the amount of data in the mix log is large it can take several minutes to complete the clean-up.

Once the deletion has been finished copy this file back to a USB stick and insert in the Hydro-Control VI.

If all Mixlog data is to be deleted, including Calibration Mixlogs, it is recommended to use the delete all mix log facility on the Open Database screen (Option 1).

3 Restore Database to the Hydro-Control VI

To restore the Hydro-Control VI with the edited database switch on the Hydro-Control VI and insert the USB memory stick into the side of the unit.



Select Menu from the overview screen.



From main menu select System Parameters.

On page one of the system parameters, select Backup/Restore. The Hydro-Control VI will ask if you want to backup or restore (Figure 10). Select restore and the unit will re-boot.

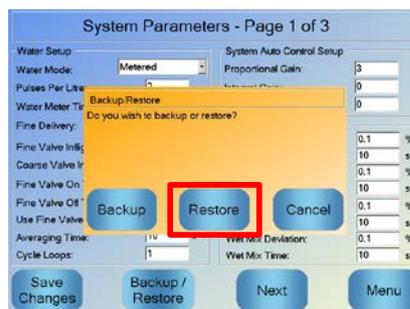


Figure 10: Backup/Restore Selector

The Hydro-Control VI can now be upgraded in the normal way