



Halma Water Management

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Permalog +[®] GPS Lift N Shift User Guide

Part 2: Operator User Guide

Before deployment can start check that have the correct equipment and that all electrical equipment is fully charged.

Equipment Checks:

A Lift N Shift set consists of:

75 x No of Permalog + (P+) in 4 crates with foam inserts
1 x PatrollerII (complete with PDA, chargers etc)

Checks to carry out:

On receipt of your goods check that you have:

An aerial (or cap) for each P+ supplied

A lifting hook for each logger

A deployment tool (for deep chambers)

A PatrollerII complete with PDA, In-car & mains chargers, aerials.

BEFORE YOU CARRY OUT ANY DATA COLLECTION ENSURE THE INTERFACE UNIT,
(see diagram below), AND PDA ARE FULLY CHARGED.

Patroller Features



- 1) Charging Connection
- 2) Aerial Connection
- 3) Cowl Connection/RS232 port
- 4) LED Displaying Battery and Communications Status
- 5) On/Off Button

Leak detection for the future - today!





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Day 1: Shift (Deployment)

Once you are in your DMA where you will be working turn on the PDA and select Start and then Patroller as the screen shot below:



Fast Patrol

Enter password:



- Type In 'install' as Password
- Select Enter



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- Click on Lift N Shift Icon



- If the Patroller is switched off you will see this message
- Click OK to this and continue to next screen



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File Zoom Tools Help

Lift + Shift abc ↔ 🔍 🔊 ok

Database
KIT1

GPS: Unknown

Serial: 02084850

Back Skip

Co-ordinates/Address 2:

Location:
"AA 1" Update

Lift Shift Options

Not connected: PATROLLER 2 %:4A

Connect Export Data

- Check that you are in the 'SHIFT' screen
- Your database should be automatically uploaded, if not select it from the drop down menu
- You will note that your first logger will be ready for installation now (**check the serial No of the logger you are about to install**)
- When first opened there may not be a GPS signal this is confirmed by the 'Unknown' comment in the GPS section. You will also note that there are no Co-ordinates yet
- **Do not deploy any loggers until a GPS is obtained (see next screen shot)**

File Zoom Tools Help

Lift + Shift abc ↔ 🔍 🔊 ok

Database
KIT1

GPS: Receiving Data *****

Serial: 02084850

Back Skip

Co-ordinates/Address 2:
51.882318/-0.408919

Location:
"AA 1" Update

Lift Shift Options

Not connected: PATROLLER 2 %:4A

Connect Export Data

- Once a GPS Signal is obtained you will note that next to GPS you will see ****'s that are constantly moving. You will also see co-ordinates that change if you move position.
- You will note that your first logger will be ready for installation now (**check the serial No of the logger you are about to install**)
- If OK, install the logger and **whilst at the chamber** click Update
- If Not OK (ie the logger is missing or doesn't work) click on Skip



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Repeat this exercise until all loggers are deployed

After you have installed the last logger for that day exit the Patroller software application on your PDA & turn off the PDA.

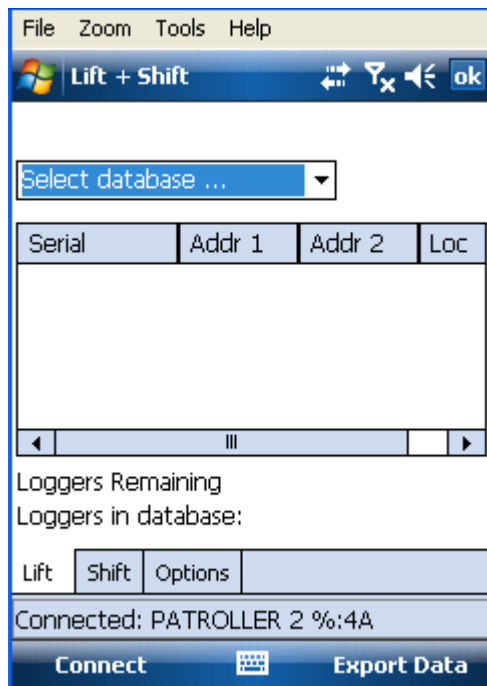
Day 2: Lift (Retrieval)

Once you are in your DMA where you will be working turn on the PDA & PatrollerII and connect the small aerial to the PatrollerII.

Follow the instructions as above to:

1. Open the Patroller software on the PDA
2. Type in your 'install' password to gain access to the software
3. Select Lift N Shift Icon

Once in Lift N Shift select the 'Lift' tab at the LHS bottom of your screen you will now see the following screen:





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File Zoom Tools Help

Lift + Shift

KIT1

Select database ...

BEDFORD TOWN

KIT1

Serial	Addr 1	Addr 2	Loc
02084851	"NEW ...	51.88...	"AA

Loggers Remaining 2

Loggers in database: 40

Lift Shift Options

Connected: PATROLLER 2 %:4A

Connect Export Data

- Click on Select database
- Select the database you deployed last.

File Zoom Tools Help

Lift + Shift

07070492 Recieved

KIT1

Serial	Addr 1	Addr 2	Loc
02084851	"NEW ...	51.88...	"AA

Loggers Remaining 1

Loggers in database: 40

Lift Shift Options

Connected: PATROLLER 2 %:4A

Connect Export Data

- Note: total in database is all Loggers (deployed or not)
- You will only have loggers listed that were actually deployed
- Loggers will be removed from the screen when they are swiped until there are no loggers left
- Note that the logger being received is shown at the top of your screen



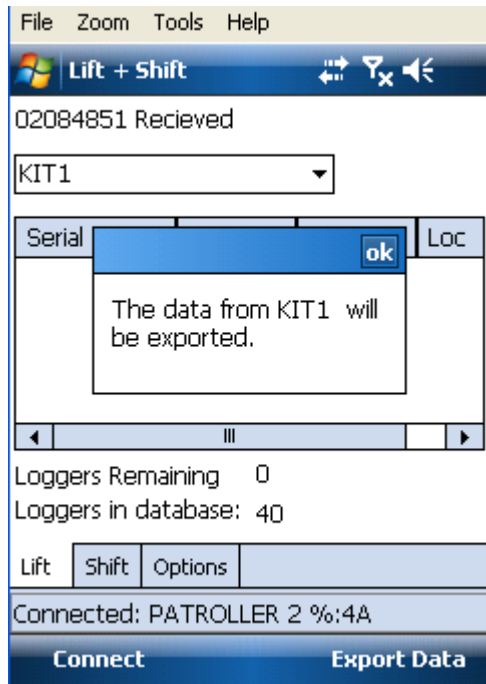
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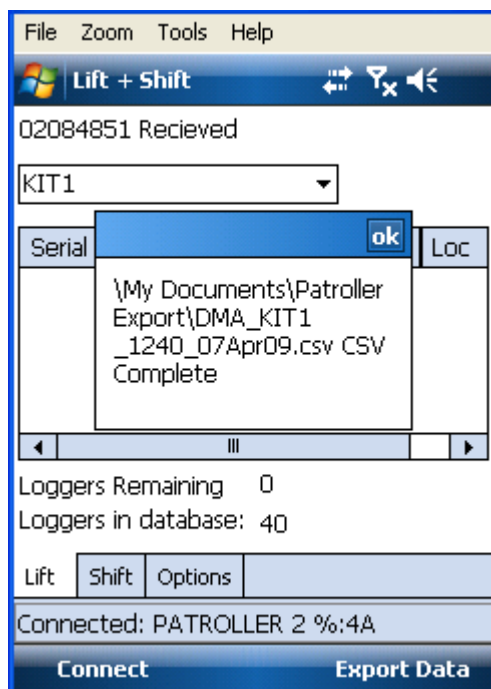
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- You will see this message when all of your loggers have been received by the Patroller, click OK



- You will now see the following screen confirming that the data has been exported
- You can now exit the Patroller software & switch off your Patroller & PDA

When you have completed all of a DMA see your area office to download the data and receive your next lot of work.