Document Description	**MERLIN Interrupter Reference Guide**
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CONTROLLING THE MERLIN INTERRUPTER VIA MOBILE PHONE

To control the Interrupter using a mobile phone, simply send an SMS message to the connected MERLIN TR Monitor with the require command. The MERLIN Interrupter obeys the following list of commands:-

- **cmd:interrupt on:x.x off:x.x** – Sets interruption pattern (where x.x = seconds)
- **cmd:interrupt end** – Stops the current interruption
- **cmd:interrupt status** – Displays the current interruption status
- **cmd:cpoff xx** – Turns the CP off for a set number of hours (where xx = hours)
- **cmd:cpon** – Restores CP
- **cmd:gpsinfo** – Displays the GPS information of the Merlin TR

SMS commands are not case SeNsiTivE to save confusion. MERLIN TR Monitors will send an SMS message back to the operator's mobile phone and HQs to acknowledge any commands sent.

Start a Patterned Interruption: CMD:INTERRUPT ON:X.X OFF:X.X

Sends the MERLIN TR Monitor into a customised patterned interruption. Example message to send:-



cmd:interrupt on:0.9 off:0.1

Complete cycles must be whole seconds (ON+OFF = complete cycle). A whole number of complete cycles must fit into a 1 minute period (e.g. 1s, 2s, 3s, 4s, 5s, 6s, 10s, 12s, 15s, 20s, 30s and 60s are all fine).

Stop a Patterned Interruption: CMD:INTERRUPT END

Stops any interruption and turns CP on. Message to send:-



cmd:interrupt end

Start a Constant Interruption: CMD:CPOFF XX

Sends the MERLIN TR Monitor into constant interrupt mode; effectively turning CP off for a set amount of hours. Example message to send:-



cmd:cpoff 12

The maximum period of time you can set CP off is governed by the MERLIN TR Monitor firmware version. Prior to V2.08 firmware a maximum of 12 hours can be selected. V2.08 firmware or later will accept 1 to 672 hours (4 weeks).

Stop a Constant Interruption: CMD:CPON

Stops any interruption and turns CP on. Message to send:-



cmd:cpon

Check Interruption Status: CMD:INTERRUPT STATUS

Checks the current interrupt status of a MERLIN TR Monitor. Message to send:-



cmd:interrupt status

Check the GPS information of a Location: CMD:GPSINFO

Displays the GPS Status and Geographic Location of a MERLIN TR Monitor. Message to send:-



cmd:gpsinfo

For further information please refer to the full MERLIN Interrupter User Manual

CONTROLLING THE MERLIN INTERRUPTER VIA CPSM

To control the Interrupter using CPSM, right-click on the required Pipeline or Location, the following actions are accessed via the menu.

Start a Patterned Interruption – Pipeline

Sends all MERLIN TR Monitors on a pipeline into a customised patterned interruption.



Right-click the Pipeline, from the menu select Interruption – Start. Enter the required values and click Send.

Stop a Patterned Interruption – Pipeline

Stops any interruption and turns CP on for all MERLIN TR Monitors on that pipeline.



Right-click the Pipeline, from the menu select Interruption – Stop.

Start a Patterned Interruption – Location

Sends the MERLIN TR Monitor into a customised patterned interruption.



Right-click the Location, from the menu select Interruption – Start. Enter values and click Send.

Stop a Patterned Interruption – Location

Stops any interruption and turns CP on.



Right-click the Location, from the menu select Interruption – Stop.

Start a Constant Interruption – Location

Sends the MERLIN TR Monitor into constant interrupt mode; effectively turning CP off for a set amount of hours.



Right-click the Location, from the menu select Interruption – Start. Select Constant, enter value and click Send.

Stop a Constant Interruption – Location

Stops any interruption and turns CP on.



Right-click the Location, from the menu select Interruption – Stop.

Check Interruption Status

Checks the current interrupt status of a MERLIN TR Monitor.



Right-click the Location, from the menu select Interruption – Status.

Check the GPS information of a Location

Displays the GPS Status and Geographic Location of a MERLIN TR Monitor.



Right-click the Location, from the menu select Properties, in the new window select the GPS tab. To view the location in Google maps, click the Show Map button.

For further information please refer to the full MERLIN Interrupter User Manual

CONTROLLING THE MERLIN INTERRUPTER VIA ICPSM

To control the Interrupter using iCPSM, select the Pipeline or Location on the left-hand side of the window, the following actions are then accessed on the right-hand side of the window.

Start a Patterned Interruption – Pipeline

Sends all MERLIN TR Monitors on a pipeline into a customised patterned interruption.



Select the Pipeline, click the Interruption link. Enter the required values and click Start.

Stop a Patterned Interruption – Pipeline

Stops any interruption and turns CP on for all MERLIN TR Monitors on that pipeline.



Select the Pipeline, click the Interruption link. Click Stop.

Start a Patterned Interruption – Location

Sends the MERLIN TR Monitor into a customised patterned interruption.



Select the Location, click the Interrupter link. Enter values and click Start.

Stop a Patterned Interruption – Location

Stops any interruption and turns CP on.



Select the Pipeline, click the Interrupter link. Click Stop.

Start a Constant Interruption – Location

Sends the MERLIN TR Monitor into constant interrupt mode; effectively turning CP off for a set amount of hours.



Select the Location, click the CP Control link. Enter value and click Start.

Stop a Constant Interruption – Location

Stops any interruption and turns CP on.



Select the Location, click the CP Control link. Click Stop.

Check Interruption Status

Checks the current interrupt status of a MERLIN TR Monitor.



Select the Location, click the Interrupter link.

Check the GPS information of a Location

Displays the GPS Status and Geographic Location of a MERLIN TR Monitor.



Select the Location, see the GPS Information pane. To view the location in Google maps, click the Map link.

For further information please refer to the full MERLIN Interrupter User Manual