

(Issue 2)

## Radcom loggers - how to reset battery information in the logger following a battery change.

1. Using Radwin software go to 'Manual Call' and select 'Advanced Upload/Download/Utilities/' select the 'enter new parameters' box and select 'OK' then on the next screen select 'Upload' and check the 'Update logger time box' then 'OK'.

This has now reset the logger to current time and date - you must do this if you have disconnected or changed the main battery.

Zone	000 0000						
Type:	0000	Multilog		*	Baud:	<b>a</b> 19200	•
Connection: Number: Pager Number:		Direct (RS232)		<u> </u>	Port:	<b>Д</b> СОМ4	•
Dptions Main Recordi Update Logg Stop Main Re	er Time	start					_
Update Logger T	ime as:		PC Time		٠	Advanced.	

Once this is complete close the Radwin software

**2.** Open RadTerm software (make sure your logger is connected to the PC using the COMs cable) When you open Radterm software you should see this- ensure you have the correct COM port selected (drop down in top left hand corner) and baud rate set at 19200 for a Multilog. (9600 for an LX)

ns Port	4 • at 19200 • 🔘	
eration	Multilog RADCON	
Clear	Echo 🔽 CR->CRLF 🔽 Manchester T Binary T	
Send	CONFIG	
Send	PDAC	
Send	00001PDAE0	
Send	RST11	
Send		
Send	PDAHW	
Send	RST1S	
Send		
Send		
Send	1zero	
Send	1check	
Send		
Send	3zero	
Send	3check	
Send	SENDMESS00+447793460350^M	
Send	SENDMAIL	
Send	BATCAL	
Send	EEPAH	
Send		



3. Press 'Send' for the .. PDAC command to the logger. You should see this-

Coms Port	[4 <b>▼</b> at 19200 <b>▼</b>	PDAC				
Operation	Multilog TADCOM					
Clear	L Echo 🔽 CR->CRLF 🗖 Manchester 🗆 Binary 🗖					
Send	CONFIG	GSM Audit window time: 15:00				
Send	PDAC	Moden power 24-7 with ext power: Yes Alarms sent via SMS or GSM				
Send	00001PDAE0	SMS hourly wake-up OFF				
Send	BST11	IMEI: 359449006187526				
Send	RST12	Serial number: 023124				
Send	PDAHW	Date of manufacture: 28-08-09				
Send	RST1S	<ul> <li>Channel no: 01 int press mapped to 03</li> <li>Channel no: 02 flow input mapped to 01</li> </ul>				
Send	RAD2002	Channel no: 03 int press mapped to 04 Channel no: 04 flow input mapped to 02				
Send	1cal	Internal baud rate: 9600				
Send	1zero	External baud rate: 9600				
Send	1check	Battery Health: 097.5% GSM bat: 100%  ###################################				
Send	3cal	. Date of new Dattery: 22-03-10				
Send		Vatchdog resets: 00				
Send	3check	Fifo size : 01				
Send	SENDMESS00+447793460350°M	*********				
Send	SENDMAIL					
Send	BATCAL					
Send	EEPAH					
Send	EEPCH					
Send	SENDMESS00+447525318862^M					

This is the information screen for the logger and lists its manufactured configuration, firmware level, modem type, serial #, build date, channel settings and battery condition / date of new battery. Note Main Battery above is at 097.5%

4. Now press 'send' for the ..RAD20Q2 command You should see 'logger stopped!' on the screen.

5. Now press 'send' for the .. EEPAH command -

For a Multilog -

You should see repeated on the screen '014.0 Amp hours'

Press 'Enter' to accept this.

You should see 'Values stored' followed by 'Erasing memory' followed by '100.0% Battery capacity <U>p <D>own' – this is repeated.

At this point you can reset the main battery to other values (e.g. its previous % value if you have not changed it) by reducing or increasing its percentage – Capital D to bring it down, Capital U to increase it.

Press 'Enter' again to see 'Values Stored'

For an LX You should only see 'Values Stored'



Ref: FAQ0318

Version: 1.0

## **Title-Radcom loggers -reset battery info**

Made By: AB 22/09/15

(Issue 2)

oms Port	4 🕶 at 19200 💌 🔘	Battery Health: 100.0% GSM bat: 100%  ###################################			
peration	Multilog				
Clear	Echo   ☞ CR→CRLF ☞ Manchester □ Binary □				
Send	CONFIG	***************************************			
Send	PDAC	Logger stopped			
Send	00001PDAE0	EEPAH014.0 Aapere hours xxxxN			
Send	RST11	014.0 Ampere hours xxxxN			
Send	RST12	014.0 Ampere hours xxxxN			
Send	PDAHW				
Send	RST1S	Values stored.			
Send	RAD20Q2	Erasing			
Send	1cal	MENOLY			
Send	1zero				
Send	1check				
Send	nd3cal				
Send	3zero				
Send	3check	100.0 % battery capacity. <u>p <d>own</d></u>			
Send	SENDMESS00+447793460350"M	100.0 % battery capacity. <u>p <d>own</d></u>			
Send	SENDMAIL	100.0 % battery capacity. <u>p <d>own</d></u>			
Send	BATCAL	100.0 % hattery capacity. <u>p <d>own</d></u>			
Send	EEPAH	100.0 % battery capacity. <u>p <d>own</d></u>			
Send	EEPCH	100.0 % battery capacity. <u>p <d>own</d></u>			
Send	SENDMESS00+447525318862^M				

## 6. Finally press 'send' for a ...PDAC Command again. Notice the battery status is now 100.0% with today's date.

Radcom Te	rminal V1.08	
Coms Port	4 at 19200	100.0 % battery capacity. <u>p <d>own</d></u>
Operation	[Malalog	100.0 % battery capacity. <u>p <d>own</d></u>
Clear	」 🧾 Echo 🛛 CR->CRLF 🔽 Manchester □ Binary □	
Send	CONFIG	Values stored
Send	PDAC	
Send	00001PDAE0	****
Send		SMS Flash+ 18F IRDA Version 02.27D 28-05-09 Config:GSM TELIT GC864 GPRS USER DEF CC
Send	RST12	off GSM Audit window time: 15:00
Send	PDAHW	Modem power 24-7 with ext power: Yes
Send	RST1S	Alarms sent via SMS or GSM SMS hourly wake-up OFF
Send		IMEI: 359449006187526
Send	1cal	Serial number: 023124
Send	1zero	Date of manufacture: 28-08-09
Send		Channel no: 01 int press mapped to 03
Send		Channel no: 02 flow input mapped to 01 Channel no: 03 int press mapped to 04
Send		Channel no: 04 flow input mapped to 02
Send		Internal baud rate: 9600 External baud rate: 9600
Send		
Send	SENDMAIL	Battery Health: 100.0% GSH bat: 100%  ###################################
Send		
Send		Watchdog resets: 00 Fifo size : 01
Send		
Send	SENDMESS00+447525318862^M	

7. Note – Only the main battery can be set by this method - the GSM battery cannot be reset independently. GSM battery condition is a calculation based on Main battery condition. So, if you only change the GSM battery then you should reset the main battery condition to its previous % level (see point 5 above)

## **Document History:**

Edition	Date of Issue	Modification	Notes
1st	13/06/13	Release	
2nd	22/09/15	Format update	