

<u>Procedure for setting up a Multilog LX GPRS UDP</u> <u>ControllerCom</u>

Open RM301 v3.25 (or greater), ensuring it is in Classic Mode. If it does not display in Classic mode press 'C' when cursor is in the grey background to obtain it:

F ReaderMate 301	
R V3.25	eaderMate 301 Classic .00 - Radcom Technologies
	Infra-Red Probe
	F1 Setup Logger F2 Read Logger F3 Spot Values F4 View Logger Data F5 Calibrate Logger F6 Step Tester F7 Read RM2/4/501 F8 Set Communication F9 Configure System

F8 to Set Communication



F4 to Set Wessex LoggerMate Modem



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F7 to Set ControllerCom

E Logger Commander
Select Command To Send
F1 Modem @ 1200 F2 Modem @ 2400 F3 GSM M20 Modem F4 GSM RadNet F5 Radio Modem F6 PAKNET Modem F7 ControllerCom
Contraction of the second seco

Press ESC

Press ESC

Connect Controller Com to Controller

Press F1 to set up the logger

Configure settings as normal on all logging channels (i.e. ID, logging rate etc)(Refer to Controller Installation Guide)

Press F9 to set dial back

F Logger Setup (Online)	
Logging Start (F1 Read Logger S F2 Logger ID F3 Logger (GMT) F4 Logging Rate F5 Pulse Input F6 ADC Input F7 Register F8 Location F9 Dial Back F10 Setup Logger	GMT) = 17:21 01/12/10 (Barrel) etup < Channel > = NW0001 - 1 = 13:22:30 21/12/10 = 5 Min @ 10 Sec = Flow @ 10.000 1/Pulse = Pressure @ 0-268.2 m = 0.000000 = Res = No Inputs & 09:30 & 17:00



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Press F3 to access Extra settings

F Logger Setup (Online)	
Call In Parameters F1 Data Call In F2 Alarm Call In F3 Extra Settings F4 Phone Numbers & Stats F5 3s Signal Log F6 Daily Signal Log F7 Show Modem Schedule F8 Continue	

Extra Settings	
F1 Randomize Hours = 0 F2 F3 Call In = Yes F4 Call In Type = UDP F5 Call In Trigger = Time F6 Total Messages = Unlimited F7 F8 UDP Settings F9	

Press F3 Ensure Call in is set to Yes

Press F4 to set Call in Type as UDP Press F5 to set Call in trigger to Time (If wanting regular call with an external battery pack set this to "Interval" and set F6-Total Messages to "255", this defaults the unit to regular call in based on Call Time setting on page 5)

Press F8 to set up UDP Settings



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Press F4 to set up URL inbound.hwmonline.com

Press F5 to set up Port 23024

🕖 Logger Setup (Onl	ine)	
F1 GPRS APN F2 - User F3 - Pass F4 UDP URL F5 - Port F6 F7 F8 F9 Continue	UDP Settings = internet = = inbound.hwmonline.com = 23024	

And press F9

Then Press F10 to save

F Logger Setup (Online)	
Call In Parameters F1 Data Call In F2 Alarm Call In F3 Extra Settings F4 Phone Numbers & Status F5 3s Signal Log F6 Daily Signal Log F7 Show Modem Schedule F8 Continue	



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Press F1 to set Data Call In times

F Logger Setup (Online)	
Call In	Parameters
F1 Phone Number F2 Call In Time F3 Call In Sunday F4 Call In Monday F5 Call In Tuesday F6 Call In Wednesday F7 Call In Thursday F8 Call In Friday F9 Call In Saturday F10 Save	= +447920007106 = 15:10 = Yes = Yes = Yes = Yes = Yes = Yes = Yes = Yes

Select F1 - The 'Phone number' (see above) should be entered as the logger's SIM card number <u>in international format</u>.

Select F2 as the logger call in time (If wanting regular call using an external battery pack, for example if wanting every 30mins, set this to 00:30, 01:00 for every hour etc)

Select F3 – F9 and select as required

Select F10 to save

F Logger Setup (Online)
Call In Parameters F1 Data Call In F2 Alarm Call In F3 Extra Settings F4 Phone Numbers & Stats F5 3s Signal Log F6 Daily Signal Log F7 Show Modem Schedule F8 Continue

Select F8 to continue

Press F10 to setup logger



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Always Press F1 - Yes, as this will ensure that all data send pointers are correctly set and any historical settings are cleared.

E Logger Setup (Online)
Change Logging Start?
F1-Yes F2-No F3-User Setting

Press Yes to update ControllerCom (ensure Controllercom is connected to the Controller)



Check the controller screen flashes with a message after a few seconds. Wait for any message to disappear and the controller screen goes blank before commencing.

Disconnect ControllerCom from Controller. Connect the ControllerCom using cable "Com AYW" direct to PC using relevant 10pin comms cable.



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Setting the best APN Address

From the Logrmate folder on your PC, select GPRS test or GPRS_test.exe file



The software will now begin hunting the ports for the ControllerCom LX.



Once located, the test begins...





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The test routine will now use trial and error to check various APN settings based on the network found...

GPRS Connection Test - V1.11		
Status :	Sending GPRS parameters (2s)	
Type :	FW-102-015 CCom	
IMSI :	234102183493363	
Operator	:: "02-UK"	
CSQ:	28	
APN:	"internet.gdsp" "hwmwater" "hwmwater"	

Note: The GPRS test always tries the existing settings first.

Once the correct settings have been identified you will see an IP Address appear indicating that the ControllerCom LX has connected to the internet...

GPRS Connection Test - V1.11		
Status :	Ending data transfer (57s)	
Type :	FW-102-015 CCom	
IMSI :	234102183493363	
Operator	: "02-UK"	
CSQ:	28	
APN:	"o2.wyless.net" "Radcom" "r4dt3ch"	
IP Addr. :	10.79.231.170	

Finally the test completes and the settings will be written to the ControllerCom LX.



If Unsuccessful try again. Following a succesful test, disconnect the ControllerCom LX from the computer and reconnect to the Controller.



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Check APN Settings

Single swipe with the magnet base of the aerial on Test 1 sticker on the Controllercom to wake the modem up forcing the new APN settings into the controllercom.

The LED Light will show green on the ControllerCom.

The Controller will switch on a display a message after a short time, wait for this to disappear and the LED has gone off on the Controller Com

Reconnect the IR Reader to the Controller, Click F1- Setup logger

Press F9 to set dial back



Press F3 to access Extra settings





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F Logger Setup (Online)	
Extra Settings F1 Randomize Hours = 0 F2 F3 Call In = Yes F4 Call In Type = UDP F5 Call In Trigger = Time F6 Total Messages = Unlimited F7	
F8 UDP Settings F9 F10 Save	

Press F8 to set up UDP Settings

APN settings will have been updated to the correct settings.

📧 Logger Setup (On	line)	
F1 GPRS APN F2 - User F3 - Pass F4 UDP URL F5 - Port F6 F7 F8 F9 Continue	UDP Settings = internet = = inbound.hwmonline.com = 23024	

Installation is now complete.



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