

Version: 1.0

Title –SoundSens quick equipment check

Made By: AB 16/09/15 (Issue 2)

How to perform a quick equipment test prior to deploying

Connect your SoundSens suitcase to your PC using either the RS232 or USB leads provided. Open the SoundSens software and select 'Tools' 'Options' and then the Communications tab – the following screen shot should now be seen.

Ensure Production Sensor III is selected for SoundSens i

Check the port number is correct by selecting 'Help find Available Ports'

Options ? X					
Communications - Select the comm port to use to connect the soundens suitcase to the PC. Use 'Help - Find Available Ports' for more information on available ports.					
General Communications Recording Defaults Pipe Layout Correlation Exhaustive Correlation G					
Sensor Type Production Sensor III					
Port: 🖉 COM9 🔽					
Monitor USB Ports. Prompt when USB device connection changes					
Synchronisation Confirmation					
Prompt on quick setup					
Help - Find Available Ports					

You should now be able to see the following -

Comm Por For Extern	ts and Internal Modems found on this computer. Select 'Look al Modems' to detect external modems.	
Port:	Status	-
🕗 СОМЗ	Ready - Internal Modem	-
🔇 COM4	Not Found	111
🔇 COM5	Not Found	
😢 СОМ6	Not Found	
🔇 COM7	Not Found	
🔇 СОМ8	Not Found	
🕗 СОМ9	Ready - RS-232 serial port	
🚯 СОМ10	Not Found	٣



Scroll down the port list to find the one to which the SoundSens suitcase is connected – in the above case it is Com 9 – you can confirm this is the correct port number by removing the suitcase connecting lead from your PC, close and reopen the above, and Com 9 should now be 'Not found' Having ensured the correct port number is identified then you should carry out a quick set up and download test to confirm the system is working ok.

With the suitcase connected to your PC select the 'Quick set up a series of recordings' icon -



You should see the following screen -

First set the time for a few minutes beyond the current time Also set the Number of recordings to 3 and recording interval of 5 minutes Then press 'ok'

Qu	ick Recording Series Se	etup		×		
	08:14:28	08:20:08	08:25:28	08:30:48		
Г	Start Series		\sim	ОК		
	↔ ⊙ At Time/Date	07/01/2011 🧹	08:20:06 🕂			
	C Wait	5 Minutes 💌		Cancel		
Г	Sample Period (seconds)					
	📮 C Small Diameter Metal (10)					
11-	• Large Diameter	Metal (20)				
	C Plastic (30)					
	C User Defined		60			
	Number of Recordin	ngs	3 🕂			
	Recording Interval 5 Minutes →					
	Memory Usage:	60 Seconds	(4470)			



The suitcase and the loggers will now be uploaded with this Test configuration and you should see the following screen to confirm the loggers are configured.

ital Loggers Configured: Suitcase Number 1	8
Suitcase Number 1	
6424 6423 6	5422 6421
6420 6419 6	5418 6417

Select 'OK'

The test will now run (leave the loggers in the suitcase) and you can monitor progress by watching the information in the top right hand corner of the screen – the clock counts down to the test start, followed by test status.

Once the test is completed you should now select the 'Download all available readings' Icon -





Downloading should start indicated as follows -

	\bigtriangledown		
Downloading All Re (Recording Set 1, S		1, 6417)	
		Cancel	
Estimated Time Ren	haining: 1 min 59 se	ю.	

Once the download is completed select the 'Perform high resolution Exhaustive correlation' Icon



At the following prompt select 'Yes'

nfirm	Statements of the local division of the loca	
?	ot been created. Wo acing All Pipe Layout	

The correlation should now perform as follows.



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This completes the test.

Document History:

Edition	Date of Issue	Modification	Notes
1st	19/04/12	Release	
2nd	16/09/15	Format and update	