	SONARtrac[®] Technical Note	
	TN0004	
	Subject: Resetting SONARtrac Gain	
	Date: 28Jun07	
	Revision	02
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Problem:


Sometimes too much or too little signal is generated in the *SONARtrac* sensor head pre-amplifier. This may be due to changes in process operating conditions following installation of the *SONARtrac* system. This problem can be field corrected through inputs in the transmitter keyboard.

Resolution:

To change the gain, proceed as follows:

1. Open the transmitter door (a hot work permit may be required).
2. Press any key on the transmitter display except the 'Exit' key and Line 1 of the display should read "BASIC CONFIG".
3. Press the 'Down Arrow' key until Line 1 reads "DIAGNOSTICS".
4. Press the 'Enter' key and "→SENSOR CHECK" should appear on Line 2 of the display.
5. Press the 'Down Arrow' key until "→GAIN" appears on Line 2 of the display.
6. Press the 'Enter' key and "→AUTOSSET GAIN" will appear on Line 3 of the display.
7. Press the 'Down Arrow' key and "→CHECK/SET GAIN" will appear on Line 3 and "Gain=XX.XX Set=1.00" will appear on Line 4 (X.XX is the current gain value).
8. Press the 'Enter' key and the "Set=1.00" will be highlighted.
9. Press the 'Up Arrow' or 'Down Arrow' key to scroll to a higher or lower value as desired. The value will be indicated in the "Set=XX.XX" highlighted window.
10. Press the 'Enter' key when the desired value appears.
11. To verify the new value has been set, press the 'Back' key and repeat steps 6 and 7 above. The desired gain value should appear on Line 4 as "Gain=new value" on Line 4.
12. Press the 'Exit' key and the transmitter will return to operation with the new gain value entered.
13. Close and secure the transmitter door.

If there are any questions contact CiDRA Customer Support

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Revision History

Rev	Date	Changed By	Approved By	Change Description
01	8/22/07	B. Markoja	M. Sapack	Initial Release
02	7/29/08	V. Rojas-Haines	V. Rojas-Haines	Update figures and name