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|-----------------------------------------------------------------------------------|---------------------------------------------------------------|--|---------------|
|  | SONARtrac® Technical Note                                     |  |               |
|                                                                                   | TN0001                                                        |  | Date: 08Oct25 |
|                                                                                   | Subject: Loading A Config File Using the Transmitter USB Port |  | Revision 05   |
|                                                                                   |                                                               |  | Page 1 of 8   |

A SONARtrac transmitter configuration file (config.ini) is used to set the parameters of the process monitoring system. The configuration file is easily installed using the transmitter USB port. A configuration file can be installed using the following procedures. For SONARtrac legacy meter, refer to section **A**. For SONARtrac digital refer to section **B**

(Section **A** – legacy SONARtrac, Section **B** - SONARtrac digital)



legacy SONARtrac



SONARtrac digital

**A.** For the legacy SONARtrac meter, the **Load Configuration** routine or through the **Advanced Functions** menu.

**Load Configuration mode** (easiest method):

In **Load Configuration** mode the transmitter will only load files with a file name consisting of the last four digits of the transmitter serial number followed by '\_LoadConfig.ini'. For example, a configuration file for transmitter serial number 2004234 must be named '4234\_LoadConfig.ini' for it to be automatically recognized and uploaded by this utility. The **Advanced Functions** menu allows for loading of alternatively named configuration files.

**NOTE:** The transmitter will not output to the control system during installation of the new configuration file; notify the control room prior to installation.

To use the **Load Configuration** routine, proceed as follows:

1. Download the new configuration file to the SONARstick (USB memory stick).
2. Insert the memory stick into the USB port. Figure 1 will appear.

|                                                                                   |                                                                                              |               |    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------|----|
|  | SONARtrac® Technical Note                                                                    |               |    |
|                                                                                   | <b>TN0001</b><br><br><b>Subject:</b> Loading A Config File Using<br>the Transmitter USB Port | Date: 08Oct25 |    |
|                                                                                   |                                                                                              | Revision      | 05 |
|                                                                                   |                                                                                              | Page 2 of 8   |    |



Figure 1 *Save Snapshot Screen*

3. Press the '↓' and the following screen will appear.

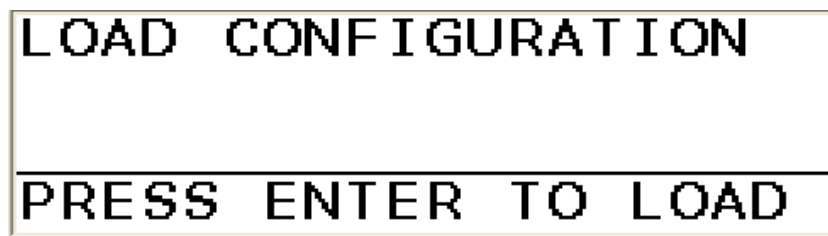


Figure 2 *Load Configuration Screen*

4. Press 'ENTER' and the following screen will appear.

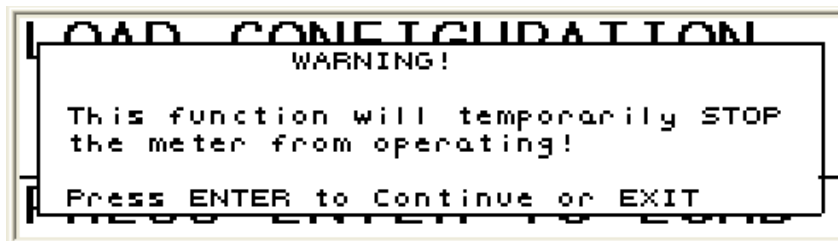


Figure 3 *Load Configuration Warning Screen*

5. Press 'ENTER' and the following screen will appear. The purpose is to confirm that a new configuration file is to be loaded.

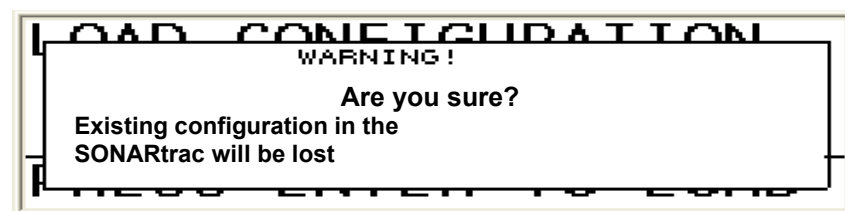


Figure 4 *Load Configuration Second Warning Screen*

|                                                                                   |                                                                         |  |                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|----------------|
|  | SONARtrac <sup>®</sup> Technical Note                                   |  |                |
|                                                                                   | TN0001                                                                  |  | Date: 08Oct25  |
|                                                                                   | <b>Subject:</b> Loading A Config File Using<br>the Transmitter USB Port |  | Revision    05 |
|                                                                                   |                                                                         |  | Page 3 of 8    |

6. Press '**ENTER**' again and the transmitter will select and load the appropriate file. Once the file has been loaded the following message will be displayed.

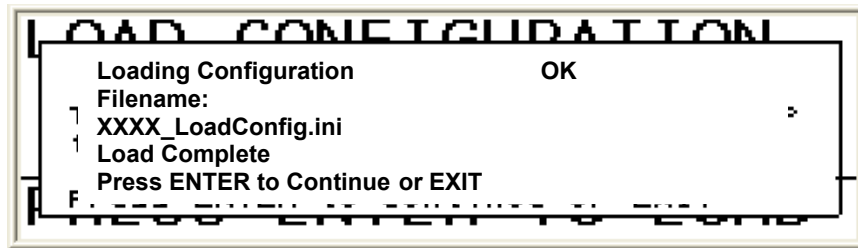


Figure 5      *Load Configuration Complete Screen*

7. Remove the memory stick, the transmitter will restart and then begin operation with the new settings.
8. Reinstall the memory stick and take a **SNAPSHOT** file.
9. Upload the new **SNAPSHOT** file to the **Technical Support** area on the CiDRA website at [www.cidra.com](http://www.cidra.com).

Please contact CiDRA Technical Support if there are any questions.

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|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------|----|
|  | SONARtrac® Technical Note                                                                    |               |    |
|                                                                                   | <b>TN0001</b><br><br><b>Subject:</b> Loading A Config File Using<br>the Transmitter USB Port | Date: 08Oct25 |    |
|                                                                                   |                                                                                              | Revision      | 05 |
|                                                                                   |                                                                                              | Page 4 of 8   |    |

**Advanced Functions** approach:

In the **Advanced Functions / System Config / Load Config** mode a configuration file with any file name can be loaded. This may be helpful with installing the same file in multiple transmitters or in copying a configuration file from one system to another. (Note: the Pipe Size, Sensor Serial Number, Output Range and other parameters may be different for each system and changes must be made to these.)

**NOTE:** The transmitter will not output to the control system during installation of the new configuration file; notify the control room prior to installation.

To use the **Advanced Functions / System Config / Load Config** routine, proceed as follows:

10. Download or transfer the new configuration file to the SONARstick (USB memory stick).
11. Insert the memory stick into the USB port. Figure 6 will appear.



Figure 6 *Save Snapshot Screen*

12. Press the '↓' until the following screen appears.



Figure 7 *Advanced Function Screen*

13. Press 'ENTER' and the following will appear



Figure 8 *Advanced Function / System Config Screen*

|                                                                                   |                                                                         |  |               |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|---------------|
|  | SONARtrac <sup>®</sup> Technical Note                                   |  |               |
|                                                                                   | TN0001                                                                  |  | Date: 08Oct25 |
|                                                                                   | <b>Subject:</b> Loading A Config File Using<br>the Transmitter USB Port |  | Revision 05   |
|                                                                                   |                                                                         |  | Page 5 of 8   |

14. Press **'ENTER'** and scroll down '↓' until the following appears:

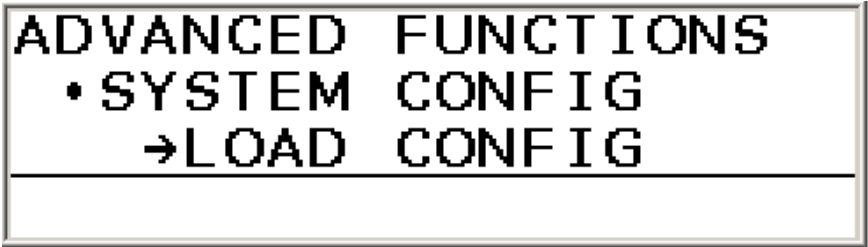


Figure 9      *Advanced Function / System Config Screen / Load Config Screen*

15. Press **'ENTER'** and the configuration files that are loaded on the USB stick will appear on the bottom line of the display. Scroll down through the list of configuration files until the desired file is highlighted. In this case a file named 12 Best Config is selected. (A file can have any name.)



Figure 10    *Configuration Selected Screen*

16. Press **'ENTER'** and then follow the instructions in steps 4-9 above.

Please contact CiDRA Technical Support if there are any questions.

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|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------|
|  | <b>SONARtrac<sup>®</sup> Technical Note</b>                          |                            |
|                                                                                   | <b>TN0001</b>                                                        | Date: 08Oct25              |
|                                                                                   | <b>Subject:</b> Loading A Config File Using the Transmitter USB Port | Revision 05<br>Page 6 of 8 |

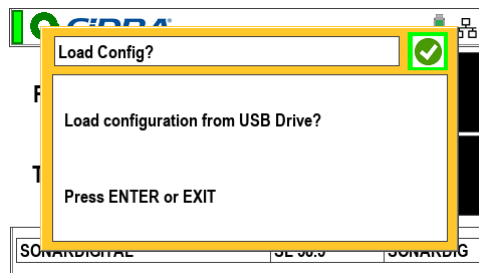
- B.** For *SONARtrac digital*, the LoadConfig file name approach or through the DIAG / USB menu

In **Load Configuration** mode the transmitter will only load files with a file name consisting of the full transmitter serial number followed by '\_LoadConfig.dct'. For example, a configuration file for transmitter serial number 5200002 must be named '5200002\_LoadConfig.dct' for it to be automatically recognized and uploaded by this utility.

**NOTE:** The transmitter will not output to the control system during installation of the new configuration file; notify the control room prior to installation.

To use the **Load Configuration** routine, proceed as follows:

1. Download the new configuration file to the *SONARstick* (USB memory stick).
2. Insert the memory stick into the USB port
3. If a properly named xxxxxxxx\_LoadConfig.dct file is recognized on the flash drive the display will prompt a message asking whether the operator wishes to load the file. (this will supersede the typical SAVE SNAPSHOT message)

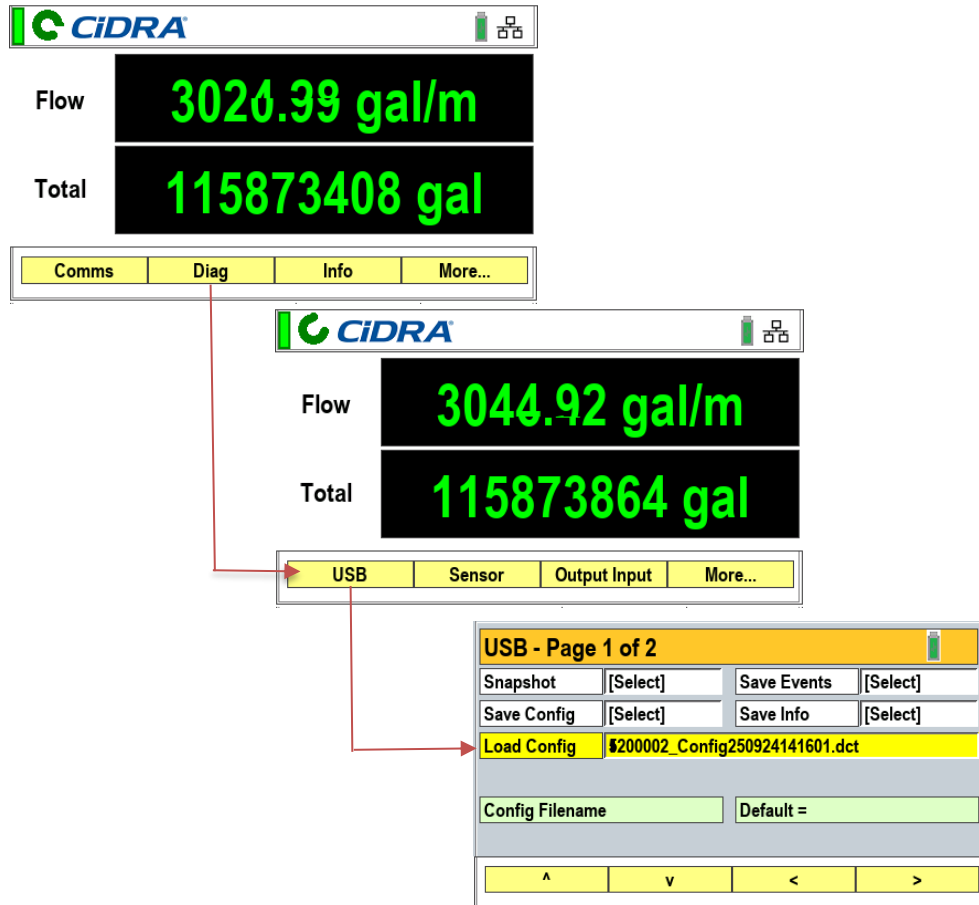


4. Press **Enter** to have the file loaded

To load a Config file that may not be in the proper xxxxxxxx\_LoadConfig.dct naming format, use the DIAG / USB approach

5. Use the lower four keys to navigate to the **Diag** menu. Select **USB** then select **Load Config** option,

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|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------|----|
|  | SONARtrac® Technical Note                                                                 |               |    |
|                                                                                   | <b>TN0001</b><br><br><b>Subject:</b> Loading A Config File Using the Transmitter USB Port | Date: 08Oct25 |    |
|                                                                                   |                                                                                           | Revision      | 05 |
|                                                                                   |                                                                                           | Page 7 of 8   |    |



6. Press **Enter**, then use the up/down arrows to choose the desired file from the flash drive, Press **Enter** again once desired file is selected. In example of image above a configuration file named 5200002\_Config250924141601.dct is selected.

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|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|--|----------------|
|  | <b>SONARtrac<sup>®</sup> Technical Note</b>                          |  |                |
|                                                                                   | <b>TN0001</b>                                                        |  | Date: 08Oct25  |
|                                                                                   | <b>Subject:</b> Loading A Config File Using the Transmitter USB Port |  | Revision    05 |
|                                                                                   |                                                                      |  | Page 8 of 8    |

## Revision History

| Rev | Date    | Changed By | Approved By | Change Description                                  |
|-----|---------|------------|-------------|-----------------------------------------------------|
| 01  | 8/22/07 | B. Markoja | M. Sapack   | Initial Release                                     |
| 02  | 28Jul08 | Markoja    | Markoja     | Update Figures and Name                             |
| 03  | 12Sep16 | Markoja    | Markoja     | Revise to reconcile Rev level with Spanish Document |
| 04  | 12Sep16 | Markoja    | Markoja     | Revise to add Section B                             |
| 05  | 08Oct25 | Griffin    | Griffin     | Added in instructions for SONARtrac digital         |