win|RTA Studio

QuickStart Guide

Version 2.4

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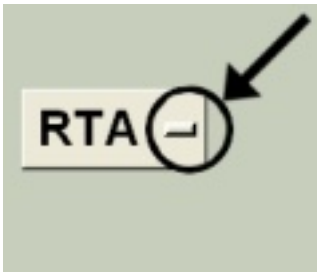
Welcome to AcoustX win|RTA Studio software. This guide will provide you with an overview of setting up and running the software and connecting it to your hardware. The QuickStart Guide serves as a basic reference.

When you see a button with a bar on the right side, this indicates that when you click on it, a drop-down menu will appear.



N O T I C E

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Version 2.4

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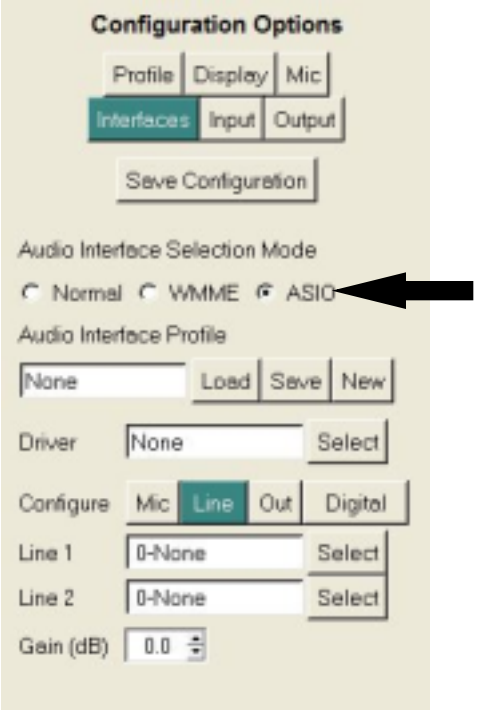
Installation Procedure

With the release of win|RTA V2.4, the software can be configured to accomodate many multichannel interfaces. For setting up a system using the MOTU 4Pre, please refer to Studio QuickStart Guide V2.2. For setting up a system using the MOTU Traveler, please refer to Studio QuickStart Guide V1.8.

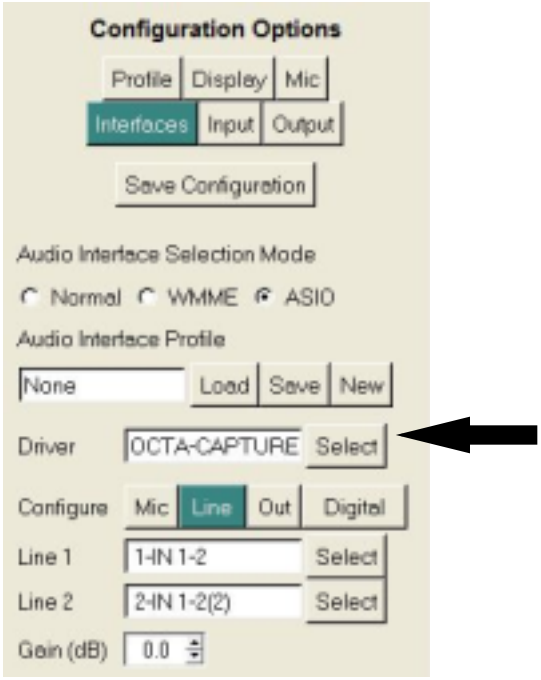
This document will show the basic procedure for configuring a multichannel interface that utilizes an ASIO driver.

This example will use the Roland Octa-Capture.

First, select Config->Interfaces->ASIO



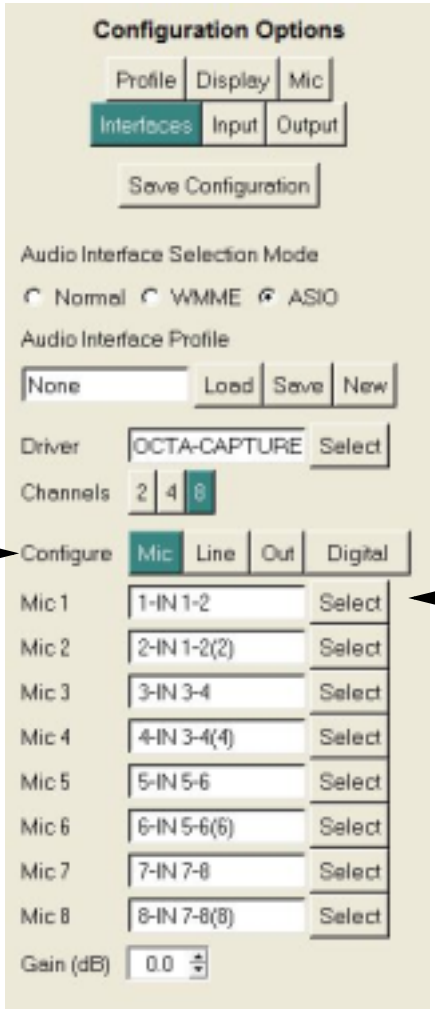
Next, select the driver.

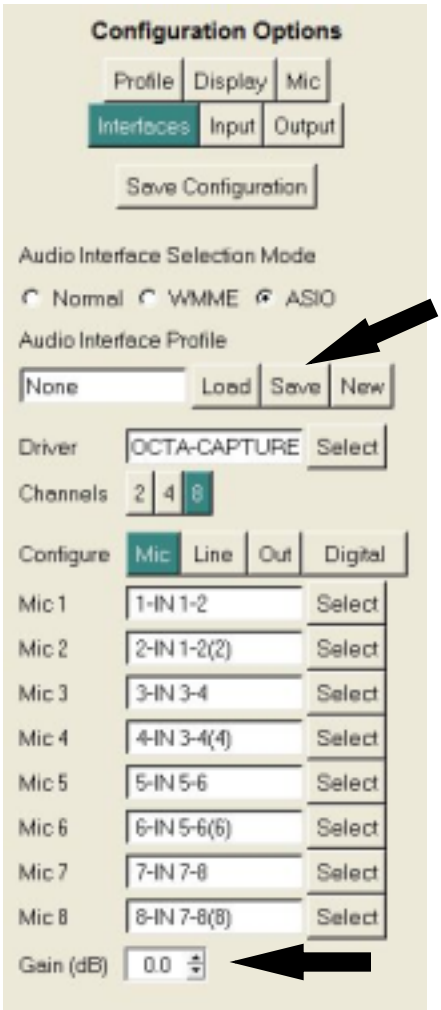


Click on the Mic button to configure the microphone inputs.

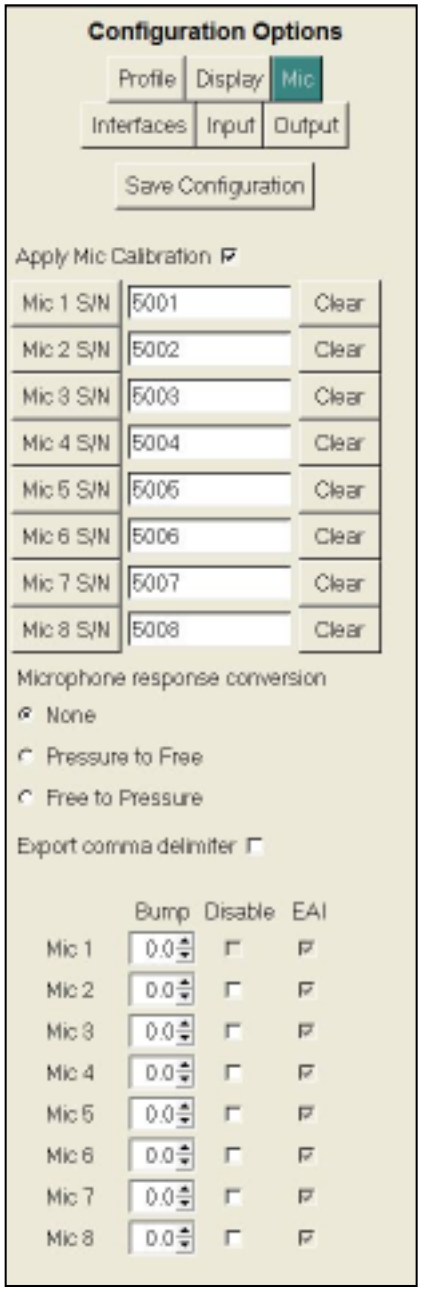
Set the microphone gain using the Gain spinbox. In this case, the device was set for 28 dB gain. For best results, use a microphone calibrator to set the gain.

Click Save to save and load the ASIO configuration (AIX file in program directory)





Configuration: Microphones and Interfaces



Enable and load microphone calibration files.

Change the response type of the microphone. For a discussion of this topic, see the AcoustX website.

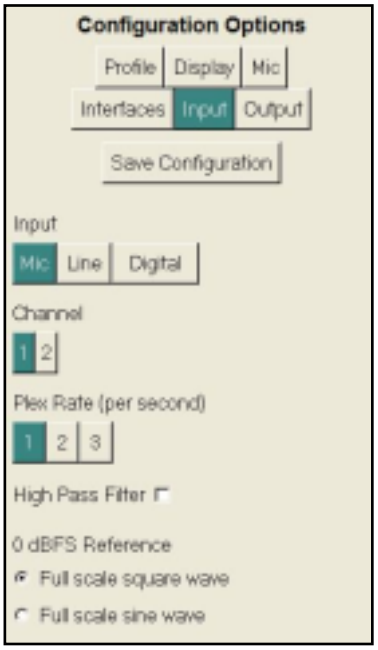
When exporting a mic cal file using Shift-click Clear (Export), insert a comma after the frequency.

Adjust the gain of individual microphones.

Disable one or more microphones

If the loaded mic cal files are configured for EAI, a check will appear in the EAI checkboxes. To use EAI, either these boxes must be checked, or one of the mic cal files must be exported (SHIFT-click Clear) and loaded into the external software. For more information on EAI, see http://acoustx.us/eai.html.

Configuration: I/O



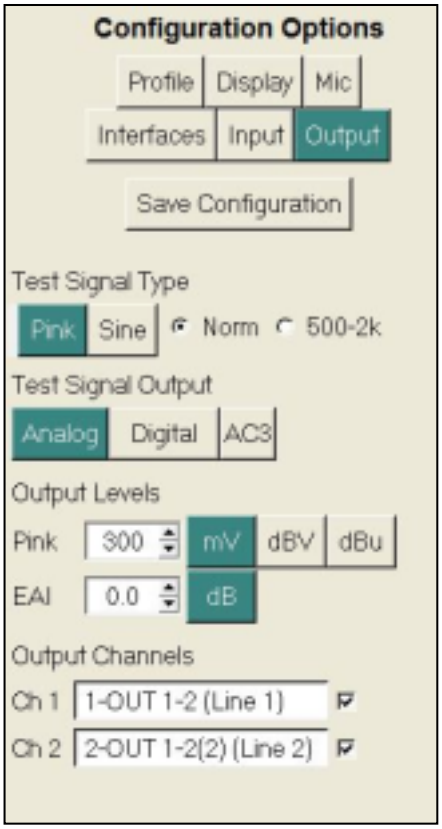
Select Input

Select input channel
(Mic selection is on main screen)

Set Plex rate

Enable 22 Hz high pass filter for FLAT, Line In, S/PDIF

Set dBFS reference. There is a 3 dB difference between settings.



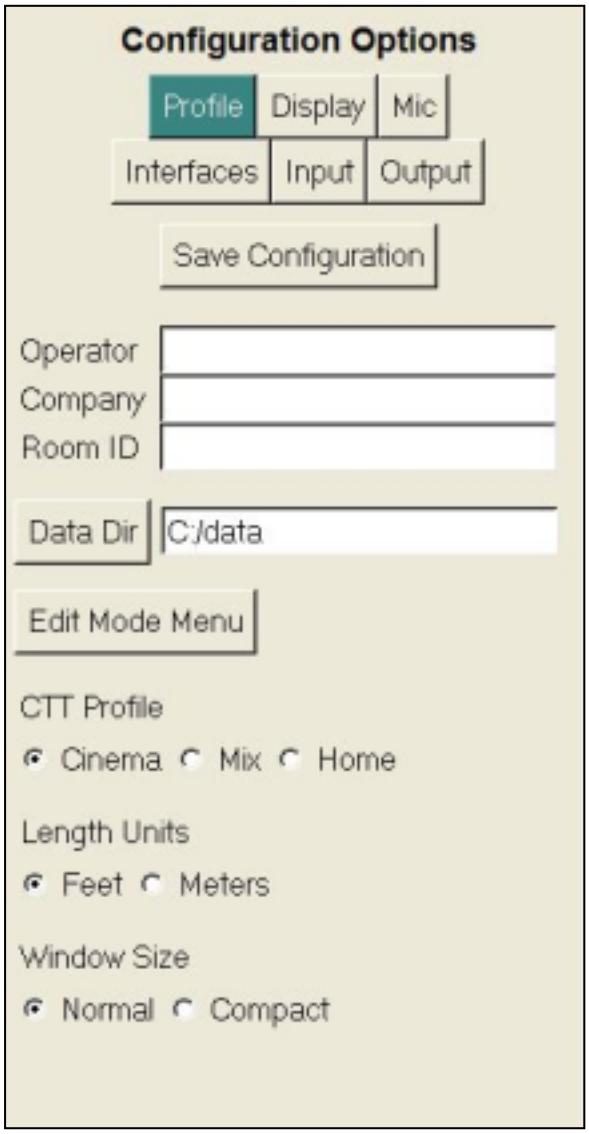
Configure pink noise button behavior

Select test signal output port (optional AC3 encoder is shown)

Set units of measure and level for outputs

Enable outputs. In Analog mode, the channels can be named.

Configuration: Profile



Write configuration data to disk

Technician name

Organization

Name of theatre

Selected data directory
Defaults to "My Documents"

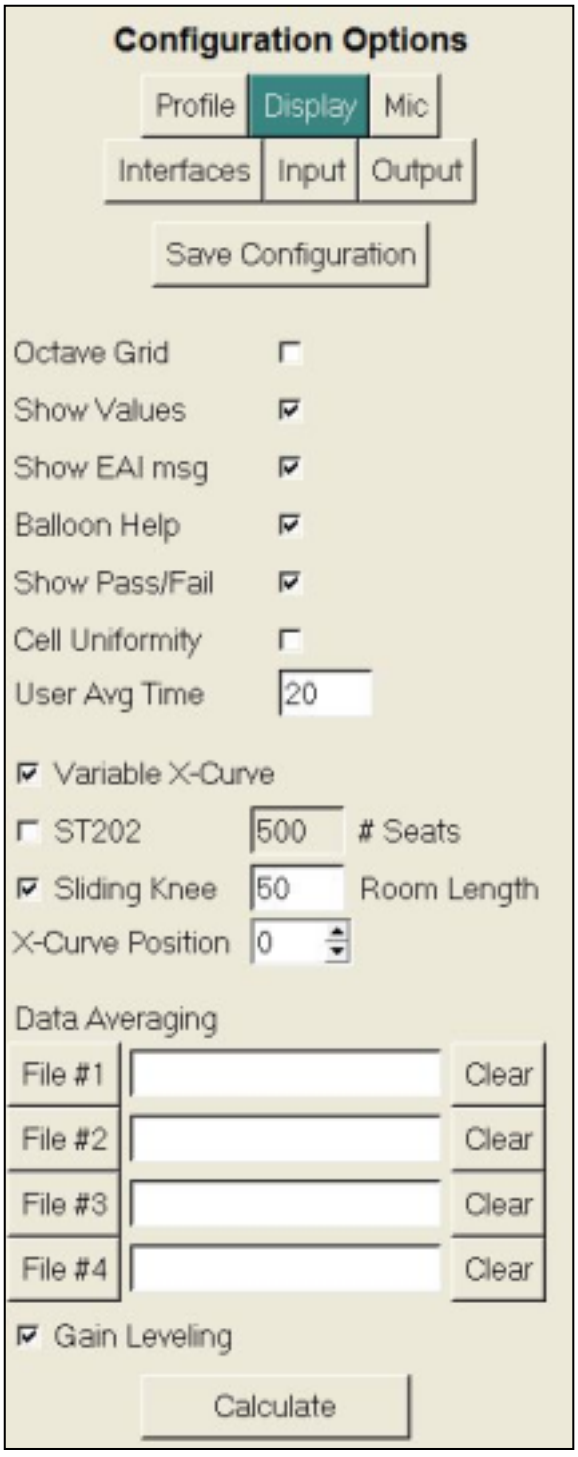
Set which modes are available in Mode menu

Set software options for type of room under test

Set default units for measurements

Set size of win|RTA main window

Configuration: Display



Display octave markers

Show bar values when cursor is moved over a bar

Show EAI mic config warning message

Enable balloon help

Show PASS/FAIL limits in CTT

Set display for Cat. No. 566 test film

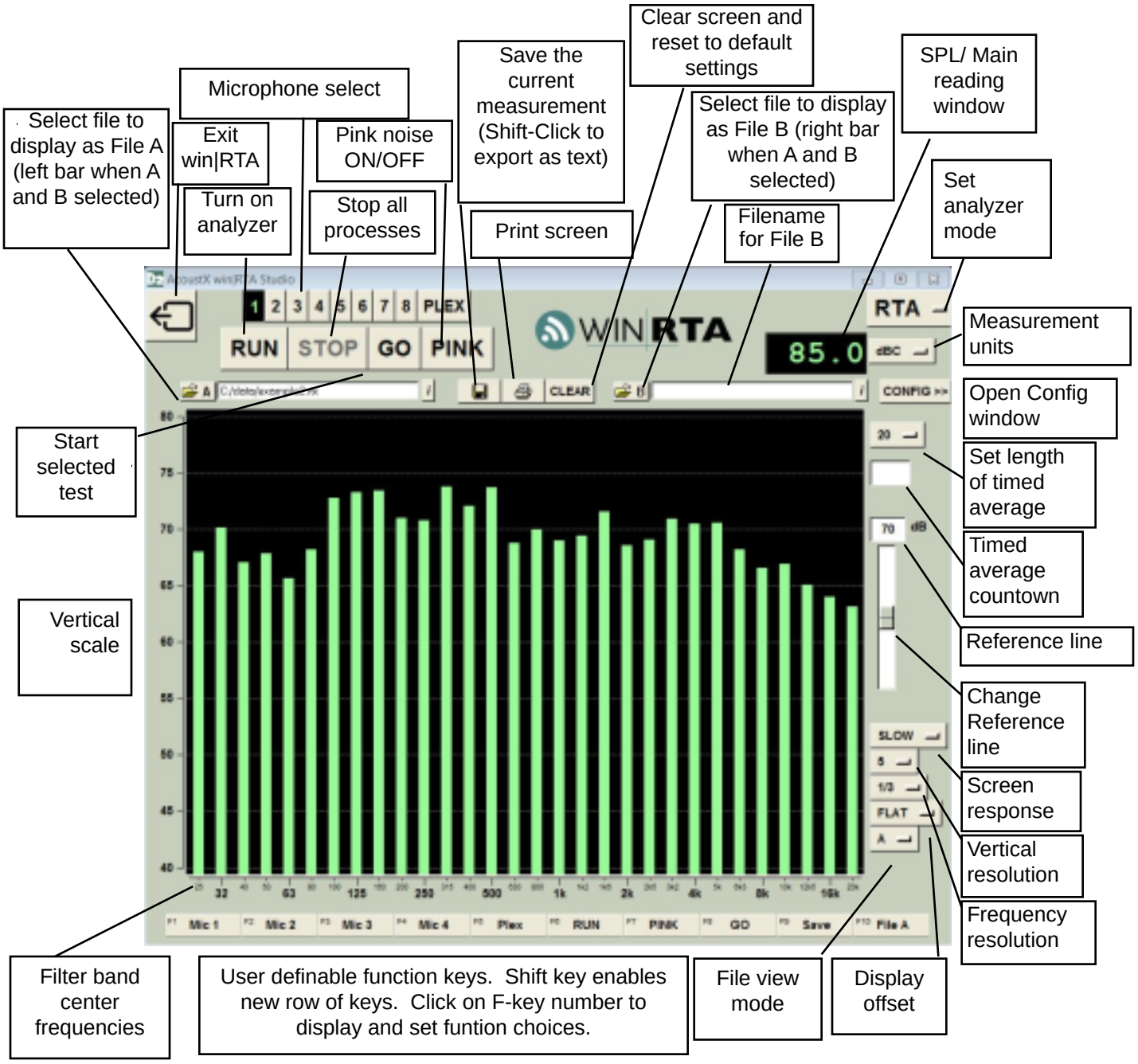
Set length of User Average

Enable Variable X-curve

Lower X-Curve position

Select files for to calculate a multiplexed response from individual microphone data.

Main Software Screen



SPECIAL KEYS AND FUNCTIONS

- ESC key kills all processes
- PgUp/PgDn or mouse wheel moves reference line
- Shift shows new row of function keys
- Shift-click on Save button to export as text (.TXT)
- Click and drag mouse on display to zoom view in RTA mode
- Right-click displays edit menu when in comment
- Hold cursor over filename field to see full pathname

CTT MODE KEYS

- Up/Down arrow moves among menu selections
- Left/Right arrow moves in or out of current menu
- Alt-Left Arrow moves up one levele when in a data entry field
- Shift-click on Home CTT Coverage test button to rename