Control Panel - System Properties

To activate the System Property Pages, press the (TOOLS) key. Use the or keys to highlight the System Properties icon as shown in FIGURE 12-1 "Control Panel".

Press the ENTER key to open the System Property Pages.

There are four System Property Pages that may be selected using the Right and Left Softkeys. All System Property Pages have one section.

Device

*It is easier to enter the text information for these three fields using the Blaze software or the SLM Utility-G3 software.*

The Device Page has three fields in which the user may enter information about the instrument. This can identify the
owners company name and address. Information may be easily placed in these fields using Blaze software.

Using the enter and keys select one of the three fields to edit. Press the enter key to highlight the 1st character position in the field. The , , and keys are used to scroll through a list of characters and change character positions in the field. When the information is complete, press the enter key to accept the information and move the highlight out of the field. At this point another field could be selected and the above process repeated.

**Time**

The time and date for the LxT may be adjusted on the time page.

---

FIGURE 12-3 Time Page
Setting Day and Year

Using the , , and keys, highlight the data field of the numerical parameter to modify. Press the key to highlight the 1st character position in the date, year or time field. The , , and keys are used to modify the parameter. Press the key when modifications are complete.

Selecting the Month

When the Month box is highlighted, pressing the key will drop down a list of months. See FIGURE 12-4 "Month List".

![FIGURE 12-4 Month List]

Use the and keys to highlight the desired month. Press the key to accept the selection and exit the field.

Sync Data/Time with PC

Selecting the "Sync Date/Time with PC" check box enables the LxT time to be set to the PC time when the unit is connected to the SLM Utility-G3 software. This function is enabled if there is an X in the check box. To modify the state of the check box, move the highlight to the check box and press key. The state of the check box will change.
There are five drop down list fields and one scrollable value field on the Power Page. These fields are selected and modified as discussed in the previous sections.

**Battery Type**

*For more detailed information on the selection of battery type see "Batteries" on page 17-6.*

This parameter identifies the type of battery installed in the LxT. This information is used for the calculation of battery life.

To set the battery type, highlight the Battery Type data field and press the [5] key to open the Battery Type Menu, shown in FIGURE 12-7.

**FIGURE 12-6 Battery Type Menu**

Highlight the desired time and press the [5] key to make a selection.

The default value is “Alkaline”.

*Do not use 3.8 Volt Lithium batteries; they will blow the fuse.*

**WARNING:** Do not mix Alkaline and NiMH batteries.

**WARNING:** Do not mix batteries from different manufacturers.
WARNING: Replace all four batteries when installing fresh cells

WARNING: The correct battery type must be specified, as described in "Battery Type" on page 12-4, based on the battery type installed.

Auto-Off Time

Auto-Off time is the duration of time the instrument will stay on when no activity is occurring: button presses, running a measurement, USB communications, etc.

Pressing the \( \text{ON / OFF} \) key will return the instrument and the display to the state it was in when the Auto-Off time expired.

The auto-off feature is ignored when connected to external power (assumed to mean when not on internal batteries which includes USB and External Power). When the unit is connected to USB power, the feature is ignored but when it is connect to external power (12 Vdc) it is not ignored.

To set the Auto-off Time, highlight the Auto-Off Time data field and press the \( \text{5} \) key to open the Auto-Off Time Menu, shown in FIGURE 12-7.

![FIGURE 12-7 Auto-Off Time Menu](image)

Highlight the desired time and press the \( \text{5} \) key to make a selection.

The default value is “Never”.

---

Power  
12-5
Power-Save Time

In the power save mode, battery power is significantly reduced by shutting down the display and analog circuitry and ceasing signal processing activities.

There are two power saving features controlled by the Power-Save Time setting. Power can be shut off to the display and to the analog circuitry to save power when the Power-Save Time is set to a value other than Never.

The display will be powered down when no keys on the instrument have been pressed for the time set. Pressing any key will reactivate the display.

The analog circuitry, including power to the preamplifier, will be shut down when the instrument has been stopped for the time set. Pressing the (RUN / PAUSE) key will restore power to the analog circuitry and the instrument can take data in a number of seconds.

To set the Power-Save Time, highlight the Power-Save Time data field and press the key to open the Power-Save Time Menu, shown in FIGURE 12-8.

![FIGURE 12-8 Power-Save Time Menu]

Highlight the desired time and press the key to make a selection.

The default value is “Never”

Power Save Icon

When the LxT is in the power save mode, the power save icon

will be displayed in the location where the measurement status icons, described in "Measurement Status" on page 2-4, usually appear.
Exit from Power Save Mode

Press any of the following keys to exit from the power save mode:

- 🍃?
  (STOP/STORE)
- 🔄
  (RESET)
- 🎧/⏺️️️(RUN / PAUSE): There will be a few seconds delay before the instrument starts recording data.

The following actions will also cause an exit from the power save mode:

- Calibrate
- Record (voice or sound recording)
- Play (voice or sound recording)

Backlight Time

This sets the duration of time the backlight remains on after the last key press.

To set the Backlight Time, highlight the Backlight Time data field and press the 🍃 key to open the Backlight Time Menu, shown in FIGURE 12-9.

![FIGURE 12-9 Backlight Time Menu](image)

Highlight the desired time and press the 🍃 key to make a selection.

The default is “10 sec”.

Backlight

Note that using the backlight on bright setting will significantly increase power consumption and decrease battery life.

This field sets the intensity of the backlight. To set Backlight, highlight the Backlight data field and press the key to open the Backlight Menu, shown in FIGURE 12-9.

![FIGURE 12-10 Backlight Menu](image)

Highlight the desired time and press the key to make a selection.

The default is Off.

Backlight can also be set by pressing the key as described in the section ‘ON/OFF Key” on page 3-7.

There are several situations which will affect the backlight and its intensity as follows:

- When the USB Host port is turned On, the backlight will be turned Off for five seconds
- When the USB Host port is On, the backlight will not go into the Bright intensity (if set to Bright, it will switch to the Dim intensity)
- When running on battery power, if the batteries are less than 10% the backlight will not go into the Bright intensity (if set to Bright, it will switch to the Dim intensity)
- When running on battery power, if the batteries are less than 3%, the backlight will not be permitted to turn on.
Preferences

The Preferences Page is used to select general instrument formatting.

Use the \( \text{8} \) and \( \text{2} \) keys to highlight the preference to be selected and left click the \( \text{5} \) key to view a list of options.

Use the \( \text{8} \) and \( \text{?} \) keys to highlight the desired language and press the \( \text{5} \) key to make a selection.

Microphone Correction

When using a free-field microphone, a correction can be applied to provide a random incidence response or, when using a random incidence microphone, a correction can be applied to provide a free-field response. Highlight the Mic Corr. field and press the \( \text{5} \) key to open the Microphone Correction menu shown in FIGURE 12-12.

To correct a random incidence microphone to obtain a free-field response, highlight RI -> FF and press the \( \text{5} \) key.

To correct a free-field microphone to obtain a random incidence response, highlight FF -> RI and press the \( \text{5} \) key.

The default mode is Off.
Auto-Store

The LxT provides three Auto-Store options to enhance your data gathering activities:

- None
- Prompt
- Store

Use the and keys to highlight the Auto-Store field and press the key to obtain a listing of the choices as shown in FIGURE 12-13.

![FIGURE 12-13 Auto-Store Preferences](image)

Use the and keys to highlight the desired Auto-Store option and press the key to make the selection.

None

The user must press the (STOP/STORE) key to Stop the measurement. Press it again to store the data and also assign a filename. See “Storing the Measurement” on page 7-13.

Prompt

When the (STOP/STORE) key is pressed to stop a measurement, the user will be prompted to save the data file. See “Storing the Measurement” on page 7-13. If the user responds Yes, then a data file is saved. If No is selected, a data file is not saved. If data was stored when the (RUN/PAUSE) key is pressed, the instrument is automatically reset so a new measurement may begin.

Store

In this mode, when the (STOP/STORE) key is pressed, a data file is automatically saved. The default file name is assigned to the file. There is no user interaction in this process.

Pressing the (RUN/PAUSE) key, the instrument will automatically reset so a new measurement may begin.
Jack Function

The AC/DC Out/Headset Jack on the bottom of the instrument can be configured to provide one of the following:

- As an AC/DC output of the signal from the detector. Use with the optional AC/DC Output Cable (CLBL139); AC signal is output via the red BNC and DC signal via the white BNC. The AC output is typically directed to a frequency analyzer or oscilloscope and the DC output is typically directed to a strip chart recorder.

- As a microphone and speaker connection when used with the optional headset for voice recording/playback (ACC003)

It can also be set to Off.

*The jack function setting becomes active as soon as it is selected.*

Use the and keys to highlight the Jack Function field and press the key to obtain a listing of the choices as shown in FIGURE 12-14.

**FIGURE 12-14 Jack Function Preferences**

Use the and keys to highlight the desired Jack Function press the key to make the selection.

Reset Prompting

If the Reset Prompting check box is checked, the user will be prompted with an “Are You Sure” message box whenever the (RESET) key is pressed. If it is not checked, this prompt will not appear prior to the reset action taking place.

Use the and keys to highlight the Reset Prompting check box. Pressing the key toggles the state of the check box.

Takt Maximal Data

When this is checked, the parameter LAFTMS is also measured and displayed on the Community Noise Page of the Overall Screen and as a parameter of a Time History measurement.
USB Host Port

Note that this must be On in order to utilize the USB Port with peripheral devices.

This function controls the power to the USB Port, so it must be set to On in order to utilize it with peripheral devices. Highlight the USB Host Port field and press the key to obtain a listing of the choices as shown in FIGURE 12-14.

![USB Host Port On/Off Menu](image)

**FIGURE 12-15 USB Host Port On/Off Menu**

Highlight the desired USB Host Port Status and press the key to make the selection.

USB Storage

Data can be stored to internal memory or to an external memory device connected to the USB Port. The options are:

- **No**: Store only to internal memory
- **Auto**: Store data to USB memory if available; otherwise, store to internal memory.

Highlight the USB Storage field and press the key to obtain a listing of the choices as shown in FIGURE 12-14.

![USB Storage Preferences](image)

**FIGURE 12-16 USB Storage Preferences**

Highlight the desired USB Storage and press the key to make the selection.

When data is stored to USB memory, it is first stored to internal flash memory, a process which is much more rapid than storing directly to USB memory. Following that, the data is then copied to USB memory without interfering with the operation of the instrument. When the data file has been successfully copied, the original data file in internal memory is deleted.

USB Serial Printer (PRN003)

It is possible to print an Overall Summary and a screenshot of the LxT screen using a USB Serial Printer (MCP8770). To do this, plug the USB printer into the USB port and turn it on. Then, turn on the USB Port as described in ‘USB Host
Port” on page 12-12. This will add two items to the Menu display, as shown in FIGURE 12-17 and FIGURE 12-18.

![FIGURE 12-17 Print Summary Menu Item](image1)

![FIGURE 12-18 Print Screen Menu Item](image2)

Highlighting either one and pressing the \( \text{ENTER} \) key will initiate the corresponding print. When the print has been successfully completed, the message shown in FIGURE 12-19 will appear to confirm this.

![FIGURE 12-19 Print Complete Message](image3)

**Print Error Messages**

If the user tries to print without connecting the printer or with printer powered off, the message shown in FIGURE
12-29 will appear informing the user that the printer is not present.

![Printer Not Present Message](image)

**FIGURE 12-20 Printer Not Present Message**

If the printer is disconnected during the printing process, the message shown in **FIGURE 12-21** will appear.

![Printer Disconnected Message](image)

**FIGURE 12-21 Printer Disconnected Message**

## Localization

*Note that the default values for these parameters are as shown in **FIGURE 12-22***.

The Localization Page, shown in is used to select formats for parameters which may vary from one country or region to another. **FIGURE 12-22**.

![Localization Page](image)

**FIGURE 12-22 Localization Page**

Highlight the parameter to be set and left click the **Enter** key to view a list of options.
Languages

The LxT supports the following languages:

- English
- French
- German
- Italian
- Portuguese (Portugal)
- Spanish
- Swedish
- Norwegian
- Portuguese (Brazil)

English is the default language.

Highlight the Language field and press the Enter key to obtain a listing of the language choices as shown in FIGURE 12-23.

![FIGURE 12-23 Language Preferences]

Highlight the desired language and press the Enter key to make a selection.

Decimal Symbol

The LxT supports two formats for the decimal symbol

- Period (.)
- Comma (,)

Highlight the Decimal Symbol field and press the Enter key to obtain a listing of the choices as shown FIGURE 12-24.

![FIGURE 12-24 Decimal Symbol Preferences]
Highlight the desired symbol and press the key to make the selection.

**Date Format**

The LxT supports two formats for expressing dates
- day-month-year
- year-month-day

Highlight the Date Format field and press the key to obtain a listing of the choices as shown in FIGURE 12-25.

![FIGURE 12-25 Date Format Preferences](image)

Highlight the desired Date Format and press the key to make the selection.

**Units**

The LxT supports both English and SI units.

Highlight the Units field and press the key to display the Units Menu as shown in FIGURE 12-26.

![FIGURE 12-26 Units Menu](image)

Highlight the desired Units and press the key to make the selection.
Displays

Note that the default values for these parameters are as shown in FIGURE 12-27. The Displays page, shown in FIGURE 12-27., permits some customization of the displays.
Start

The user can select to have one of the following displays appear when the LxT is switched On.

With the Start field highlighted, press the key to obtain a list of options, as shown in FIGURE 12-28.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Live</td>
<td>Live</td>
<td>Overall</td>
<td>Session Log</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Current</td>
<td>Measurement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time History</td>
</tr>
</tbody>
</table>

**FIGURE 12-28 Display Start Options**

Use the and keys to highlight the Display Start option and press the key to make the selection.

Selecting Displays to Appear

When there are measurement functions not being used or data displays which are not of interest for a measurement, the instrument operation can be streamlined by hiding selected displays. As a default, all available displays are set to appear.

Tab Page Selection

Use the key to highlight the Tabs field to list the tab pages for which displays can be set to appear or be hidden, as shown in FIGURE 12-29.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Live</td>
<td>Live</td>
<td>Overall</td>
<td>Session Log</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Current</td>
<td>Measurement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time History</td>
</tr>
</tbody>
</table>

**FIGURE 12-29 Display Tab Page Options**

Use the and keys to highlight the desired Tab Page and press the key to make the selection.

Display Selection

The displays which can be set to appear or be hidden are shown below for each of the possible Tab Page selections.
Live Page Displays (6)

![Live Page Displays Diagram]

FIGURE 12-30 Live Page Displays

Overall Page Displays (15)

![Overall Page Displays Diagram]

FIGURE 12-31 Overall Page Displays

Session Log Display

![Session Log Display Diagram]

FIGURE 12-32 Session Log Displays
**Current Display (14)**

![Current Display Diagram]

**Measurement Display (13)**

![Measurement Display Diagram]

**Time History Displays (5)**

![Time History Displays Diagram]

**FIGURE 12-33 Time History Displays**

All displays which have a check in their check box will appear on the LxT.

To modify any of the displays associated with one of the Tab Pages, use the ← or → keys to highlight the field listing.
those displays and press the \[\text{Enter}\] key to obtain the display shown in FIGURE 12-34.

![FIGURE 12-34 Display; Set to Appear or Hide](image)

Pressing the \(\) key will toggle the state of the highlighted display between \textbf{Appear} (checked) and \textbf{Hide} (unchecked).

Use the \(\) and \(\) keys to highlight different displays and set them as desired. When finished setting the display types for this Tab Page, press the \[\text{Enter}\] key.

When all desired modifications have been made to the displays for all Tab Pages, press the center softkey \textbf{Close} to return to the Control Panel.

### Options

\textit{Note that default options, Industrial Hygiene for example, will not appear in the list as they cannot be masked.}

The Options Page permits the user to enable/disable installed options on the LxT.
Note that this is temporary and does not result in permanent loss of a purchased option. The user is able to re-enable a purchased option at any time and a restore/format defaults, described in ‘Format & Restore Defaults’ on page 16-3, will also enable all purchased options.

When the option is checked in mask, it is enabled in the instrument. Unchecking removes the option. To mask or unmask any option(s), press the 5 key to enter the dialog mode. Use the 2 and 8 arrow keys to highlight each option and use the 4 and 5 arrow keys to toggle the state of the option between masked (unchecked) and unmasked (checked). In FIGURE 12-36, we see that the Voice Annotation option has been masked.

When all selections have been made, press the 5 key to exit the dialog mode and press Close, which will produce the message shown in FIGURE 12-37.

Highlight Yes and press the 5 key, which will produce the message shown in FIGURE 12-38 indicating that the instrument must be rebooted for the masking/unmasking changes to take effect.

FIGURE 12-36 Sound Recorder Masked

FIGURE 12-37 Apply Changes

FIGURE 12-38 Reminder to Reboot Instrument
Press the Enter key to return to the System Properties Menu and reboot the instrument.