

Diasorin Liaison XL

Overview

This section provides information about use of the Liaison XL instrument connected to LAS (Laboratory Automation System) by means of the Liaison XL Interface Module.

Observe the following instruction to ensure proper processing of the samples in terms of security when using the Analyzer Liaison XL:

- Only centrifuged and uncapped sample tubes shall be routed to the Liaison XL Interface Module.



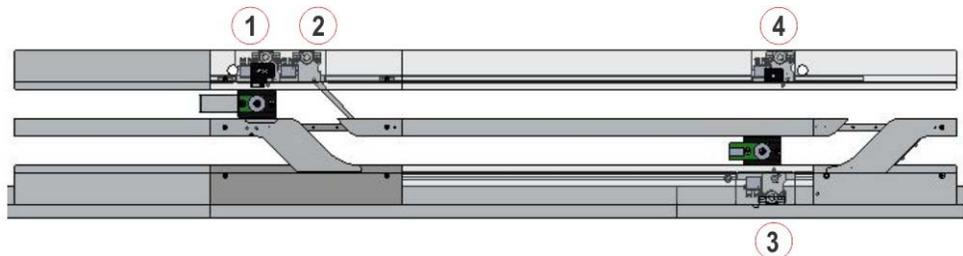
NOTE: Users can process sample tubes manually loaded on the Liaison XL while tubes are routed to the Liaison XL Interface Module by the Automation Systems at the same time. Refer to specific Analyzer Operations Manual for further information.

For more information about labels meaning refer to specific section about Safety Labels.

Interface Module Components

The Diasorin Liaison XL Analyzer interfaces to the Automation System track by means of a needle aspirating the sample directly from the tube without removing it from the Automation system (Point in Space). After sampling process the sample tube is routed again onto main track.

Figure 6.1: Liaison XL Interface Module components



1- Tube presence sensor at Divert gate

2- Divert Gate

3- Sampling Gate

4- Stop Gate (avoids collision with carriers rowing on the main lane)

Status and Diagnostics

Before routing samples to the Liaison XL ensure Analyzer is connected to the Automation as described in the following procedure:

1. Press “Overview” navigation button
2. Select the “Liaison XL” button
3. A pop-up with the following options list displays:
 - [Status \(6-3\)](#)
 - [Gates \(6-4\)](#)
 - [Diagnostics \(6-5\)](#)
 - [Firmware Versions \(6-5\)](#)
4. To access to each Liaison XL screen select “Liaison XL” from “Overview” screen and choose the related option.



NOTE: To allow displaying all the items in each screen, select the “Refresh” button.

NOTE: Before selecting any Diagnostics command, make sure the Module is in Off-line status.

Each allowable option that can be selected is described here below.

Status

Select “Status”. The “Status” screen will display a listbox containing information about the Liaison XL Interface Module as described below.

Table 6.1: Status list box

Item	Description
Room for Empty Carriers	Number of empty carriers currently allowed to enter the Interface Module.
Node ID	Address of board accommodating Interface Module software.
Room for Routine Samples	Number of routine sample tubes currently allowed to enter the Interface Module.
Room for STAT Samples	Number of priority sample tubes currently allowed to enter the Interface Module.



NOTE: Common Functions buttons are also available in this screen.

Gates

Select “Gates”. The “Gates” screen will display a listbox containing information about the Liaison XL Interface Module as described below.

Table 6.2: Gates list box

Item	Description
Divert Gate	Displays carrier RF-ID and sample tube ID at Divert Gate, if any.
Error Code	Error code related to the Interface Module.
Sampling Gate	Displays carrier RF-ID and sample tube ID at Sampling Gate, if any.

Table 6.3: Gates function buttons

Screen	Function button	Access level	Description
Liaison XL - Gates	Pass	Supervis or	Allows the pass of a single carrier at the selected gate. A pop-up displays the list of gates.
	Divert	Supervis or	Allows the pit-stop of a single carrier at the selected gate. A pop-up displays the list of gates.
	Close	Supervis or	Allows to close the Stop Gate preventing carriers routing on main lane.
	Open	Supervis or	Allows to open the Stop Gate restoring carriers routing on main lane.



NOTE: Common Functions buttons are also available in this screen.

Diagnostics

Select “Diagnostics”. The “Diagnostics” screen will display a listbox containing information about the Liaison XL Interface Module as described below.

Table 6.4: Diagnostics list box

Item	Description
Analyzer Error	Error Code related to Analyzer status.
Analyzer Status	Analyzer status as reported by Liaison XL Analyzer.
Busy Time (HHMMSS)	Remaining “Busy Time”, reported by Liaison XL Analyzer.
Error Code	Error code related to the Interface Module.
Probe Position (00=Instrument, 01=Track)	Position of sampling probe, as reported by Liaison XL Analyzer.
Serial Communication Error	Error code related to the communication with the Analyzer.



NOTE: Common Functions buttons are also available in this screen.

Firmware Versions

The “Firmware Versions” screen might be present depending on the configuration.

Select “Firmware Versions”. The “Firmware Versions” screen will display a listbox containing information about values related to the Interface Module Firmware Version currently running on the System. The information is for FSE use only.

Table 6.5: Firmware Versions list box

Item	Description
Error Code	Error code related to the Interface Module.



NOTE: Common Functions buttons are also available in this screen.