

KIM Installation for KRYPTOR systems

Initial conditions:

- KRYPTOR Software is in operational condition.
- The License number has been ordered following the KIM license ordering SOP.
- **B·R·A·H·M·S KRYPTOR** with XPC running under **Windows SEVEN operating system only**
- For HPRIM protocol, install additional Ethernet board – Only this reference recommended:
C692067 Ethernet board Broadcom 5722 PCIe for Dell 790.

In the following document you will find:

Chapter 1 – KIM installation

- Step 1: Check your configuration
- Step 2: Specific configuration for HPRIM
- Step 3: KIM installation
- Step 4: LIS activation for KRYPTOR systems
- Step 5: klis.ini Setup.
- Step 6: Optional shortcuts for automatic launch of KIM.exe
- Step 7: Check KIM properties

Chapter 2 – License registration

Before starting, please make sure that all running programs on XPC computer (XPC32, FIA_QC32, KIM...) are closed.

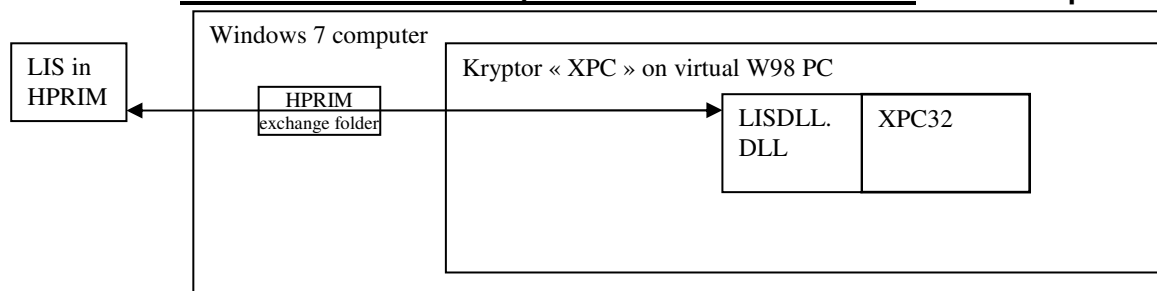
Chapter 3 – Specific settings for sending QC results to LIS

Chapter 1 – KIM installation

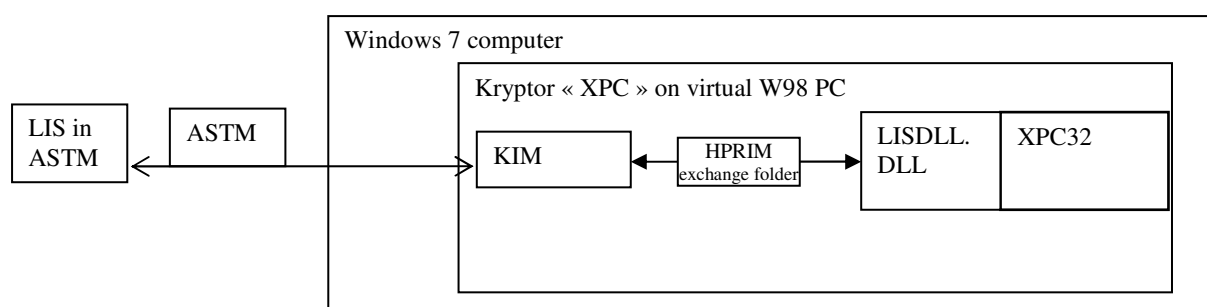
• Step 1: Check your configuration

Please check the following configurations. Indeed, the installation procedure depends on your configuration.

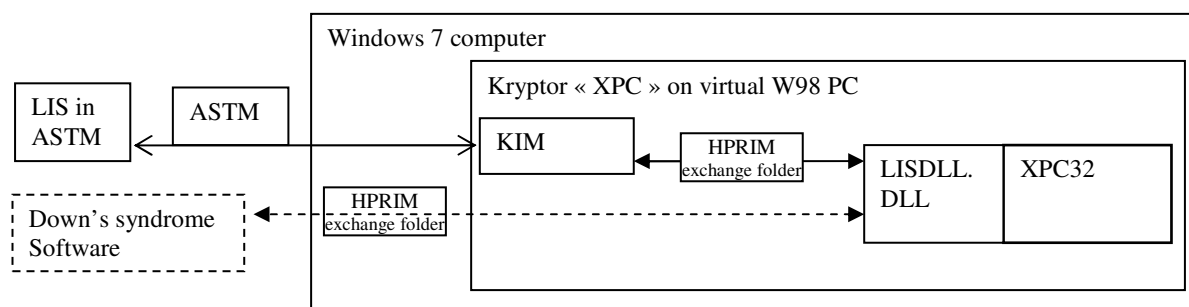
• Case 1: LIS or Down's Syndrome software in HPRIM: follow steps 2 to 5



• Case 2 : LIS in ASTM only: follow steps 3 to 7



• Case 3 : LIS in ASTM + HPRIM on channel 1: follow steps 2 to 7



• Step 2: Specific configuration for HPRIM - Skip this stage if you have LIS in ASTM only

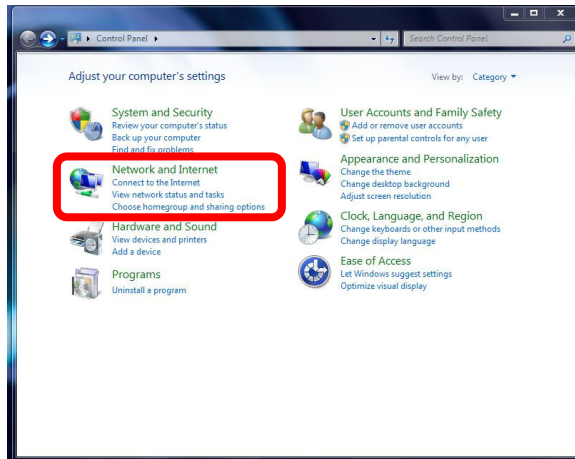
○ Configuration of TCP/IP connection

To use HPRIM mode it is mandatory to install another Ethernet board in XPC computer. Selected Ethernet board is : PCIe Broadcom 5722 Gigabit Ethernet.

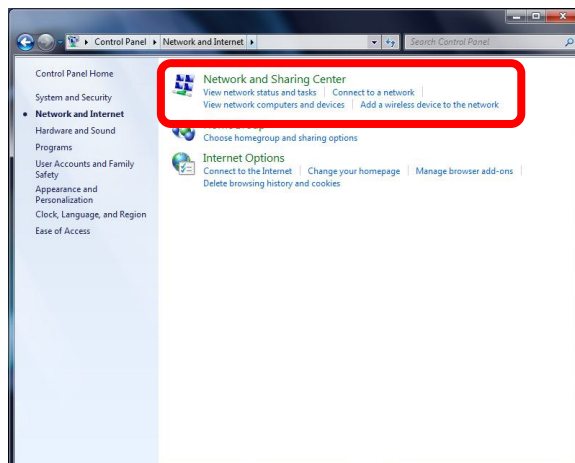
- Install Ethernet board in computer
- Switch ON computer
- Windows 7 automatically detects new board and installs driver.

Configuration under Windows 7

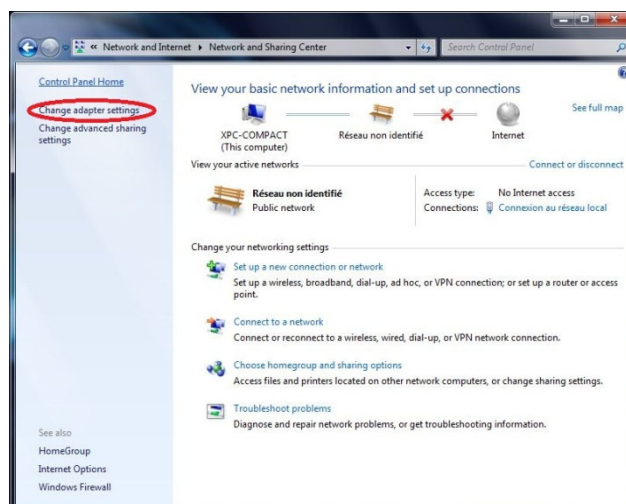
- Open Control panel through Start menu
- Select <Network and Internet>



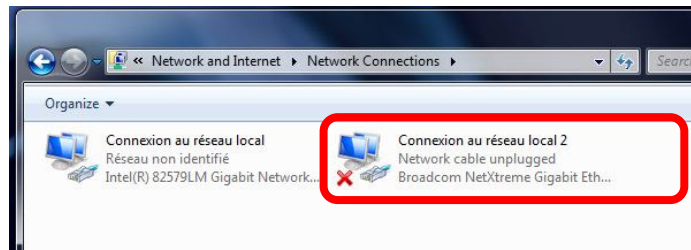
- Select <Network and Sharing center>



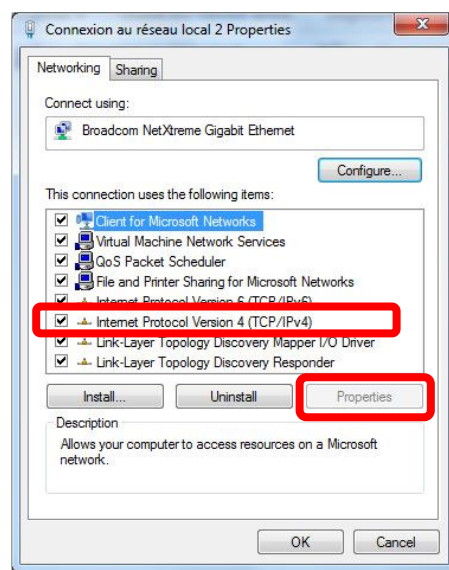
- On following window, select <Change adapter settings>.



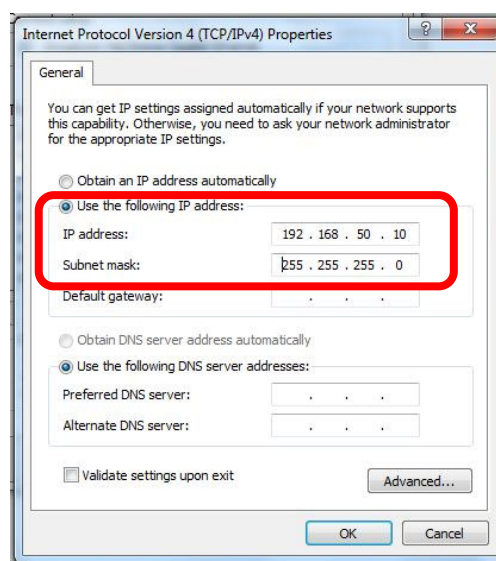
- On following window, select by right click mouse on <Broadcom NetXtrem Gigabit Ethernet>, properties menu.



- Settings of the board are displayed. Select <Internet Protocol Version 4 (TCP/IPv4)> and click on <Properties> button



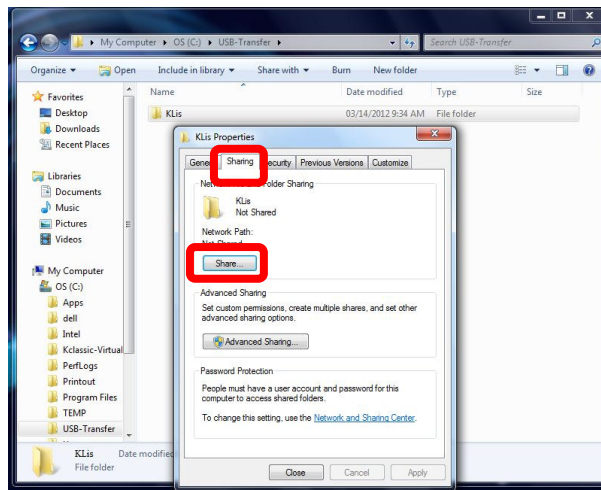
- Select <Use the following IP address>
- Enter IP address, that you want:
For example : IP Address : 192.168.50.10
Subnet mask : 255.255.255.0



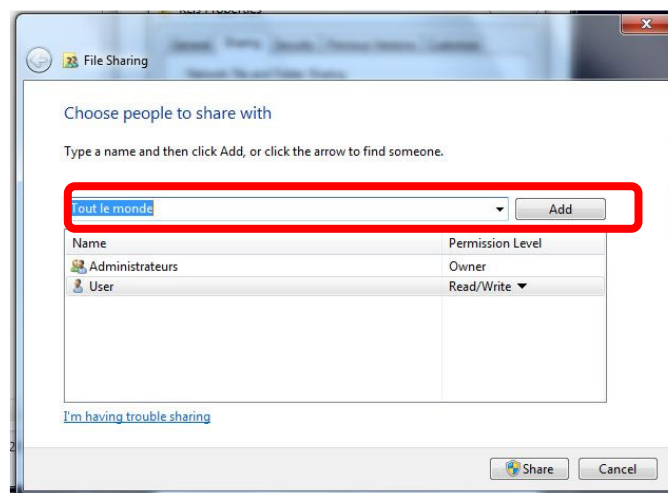
- Validate by clicking on OK button and close all windows.

- **Klis folder configuration**

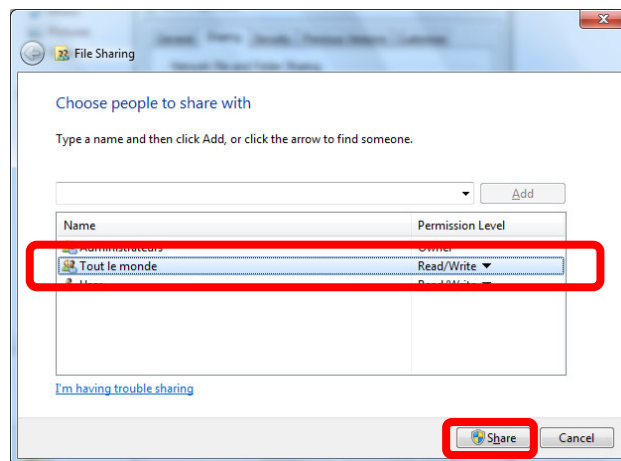
1. We need to create a shared folder between Windows 7 and Windows 98 to have a HPRIM connection. For this purpose, create a folder in **USB-Transfer on 'C:\'** of **Windows 98** Explorer, which could be named "Klis".
2. Klis folder is currently on shared folder USB-transfer under Windows 7 (C:\USB-Transfer\Klis\). Go **under Windows 7**. Select Klis folder and right click to access to Properties and Sharing menu.
 - Klis properties window is displayed. Select <Sharing> sheet. And click on <Share> button.



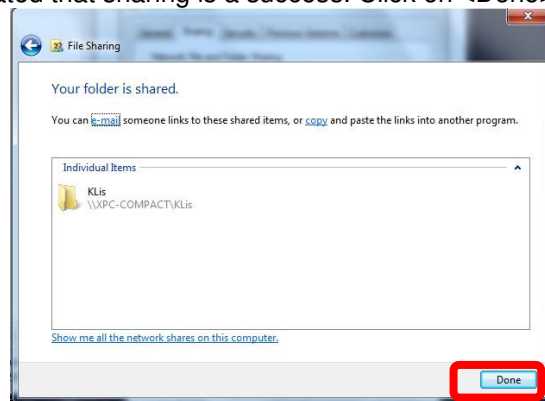
- On following window select <Tout le monde> on list box and click on <Add> button



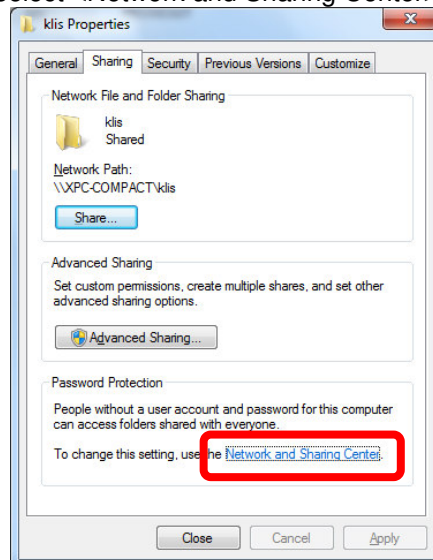
- For <Tout le monde> name activate into <Read/Write> Permission level



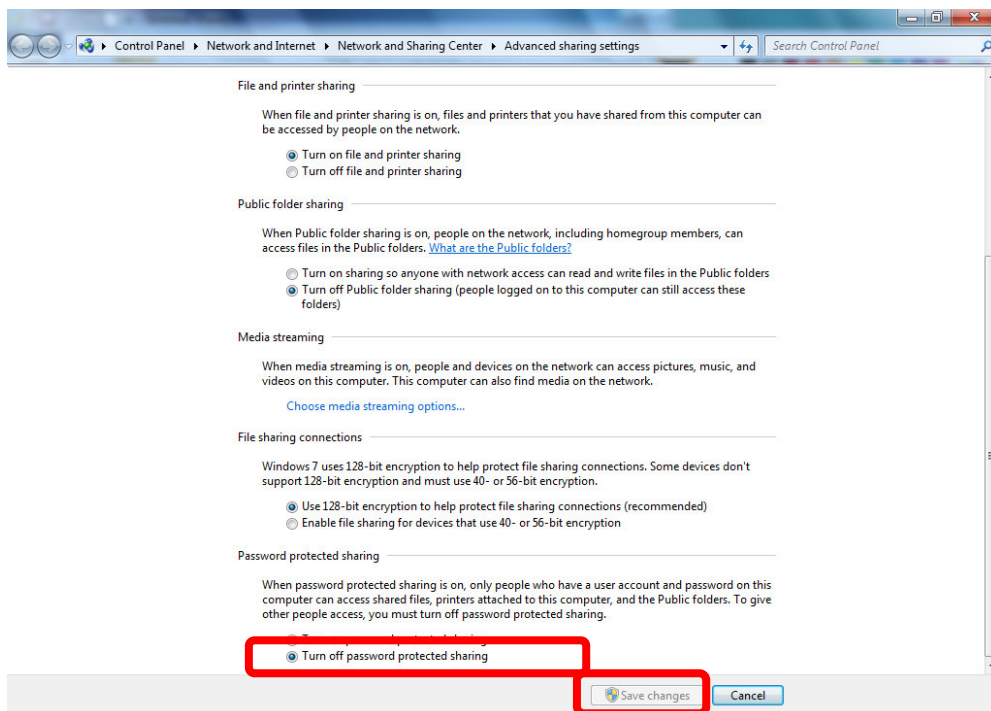
- Validate by clicking on <Share> button.
- On next window it is indicated that sharing is a success. Click on <Done> button to close window



- On <Klis Properties> window, select <Network and Sharing Center>



- On following window select <Turn off password protected sharing>



- Click on <Save changes> button.
- Close <Klis properties> window.

• **Step 3: KIM Installation**

Note : Be careful if you switch from Pilote software to KIM, that the secondary unit will be sent to LIS whereas it was not possible with Pilote (except if K3 was installed for this matter). Do not forget to inform your customer.

1. Plug the USB key containing the KLIS 2.0.4.zip folder, copy/paste on **C:\USB-Transfer** and unzip the folder.
2. **Launch KRYPTOR XPC** program by clicking on “Kryptor XPC” icon installed on the desktop.
3. Open **Windows 98** Explorer (on the virtual XPC), double click on KLIS 2.0.4 folder from **USB-Transfer** on ‘C:\’.
4. Select the “setup.exe” file, and double-click on it to run this program: the installation starts.
5. The installation runs and will automatically close.

• **Step 4: LIS activation for Kryptor systems**

1. Under **Windows 98** Explorer, edit “c:\windows\fia.ini” file.
2. Go to the [MAIL] section.
 - a. Ensure that the key MapiUse is set to 0 (modify if necessary)
 - b. Ensure that the key UseLis is set to 1 (modify if necessary)
3. Kryptor LIS preferences
 - a. Go to [PC] section
 - b. Ensure that key SendLISRejects is set to 0
 - c. Ensure that key SendLISCancels is set to 0
 - d. Ensure that key SendLISFails is set to 0

4. In case you have no LIS connected, but Down's syndrome software only, apply the following points, otherwise, skip this action (go to action 5).
 - a. Go to [PC] section
 - b. Ensure that key SendLisControl is set to 0 or does not exist.
 - c. Go to [Query] section
 - d. Ensure that key QueryOn is set to 0
5. Save and close file.

• **Step 5: Setup in c:\windows\klis.ini**

LISDLL settings are defined in the "klis.ini" file, located under c:\windows of Windows 98 explorer.

The default value for the setup of the HIGHRES value has to be confirmed with the customer.

Note: If you have LIS in HPRIM alone apply Step 5a.

If you have the LIS in ASTM alone apply Step 5b.

If you have both LIS in ASTM and Down's syndrome software in HPRIM apply Step 5c.

If you use the configuration with **several** sites connected on the **same** channel, **refer to multi-sites specific procedure** (Multi-sites specific procedure KclassicWin7.docx).

○ **5a. Case of LIS in HPRIM alone :**

The klis.ini installed by default is set for LIS on channel 0 and Down's syndrome software on channel 1.

Consequently **the number of channels has to be set to 1 to use LIS only.**

Klis folder has been shared between virtual PC under Windows 98 and XPC under Windows 7 (created under USB-Transfer on 'C:\' during step 2) so **HostRecPath and HostSendPath have to be modified in klis.ini file.**

Modify paths to access to Klis shared folder by the letter chosen for sharing drive (by default s:\)

[CHANNELSINFO]
NROFCHANNELS=1
REPORTCHANNEL0=0

Number of channel needs to be modified from 2 to 1

[LISCHANNEL0]
HostRecPath=**s:**\klis\download
HostSendPath= **s:**\klis\upload
HostName=KRYPTOR
AnalyserName=LIS
ParsedDataFolder= c:\KLIS\ParsedData

LOWRES=0
HIGHRES=999999999

[DOWNLOADTEST0] Section to convert an analyte name from LIS to Kryptor: e.g. Euclide codes. Kryptor Panel names are allowed. If a panel in Kryptor has same name as an analyte, the panel has priority on analyte. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. ALPHAFETOPROTEIN=AFP

[UPLOADTEST0] Section to convert an analyte name from Kryptor to LIS: e.g. Euclide codes. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. AFP=ALPHAFETOPROTEIN

Sections [LISCHANNEL1], [DOWNLOADTEST1] and [UPLOADTEST1] can be ignored.

○ 5b. Case of LIS in ASTM alone

The klis.ini installed by default is set for LIS on channel 0 and Down's syndrome software on channel 1. **Nothing has to be changed except the number of channels which has to be set to 1 as only LIS in ASTM will be used.**

[CHANNELSINFO]
NROFCHANNELS=1
REPORTCHANNEL0=0

Number of channel needs to be modified from 2 to 1

[LISCHANNEL0]
HostRecPath=c:\klis\download
HostSendPath= c:\klis\upload
HostName=KRYPTOR
AnalyserName=LIS
ParsedDataFolder= c:\KLIS\ParsedData

LOWRES=0
HIGHRES=999999999

[DOWNLOADTEST0] Section to convert an analyte name from LIS to Kryptor: e.g. Euclide codes. Kryptor Panel names are allowed. If a panel in Kryptor has same name as an analyte, the panel has priority on analyte. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. ALPHAFETOPROTEIN=AFP

[UPLOADTEST0] Section to convert an analyte name from Kryptor to LIS: e.g. Euclide codes. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. AFP=ALPHAFETOPROTEIN

Sections [LISCHANNEL1], [DOWNLOADTEST1] and [UPLOADTEST1] can be ignored.

○ 5c. Case of LIS in ASTM + HPRIM on channel 1 (for example Down's Syndrome Software)

Klis folder has been shared between virtual PC under Windows 98 and XPC under Windows 7 (copied and pasted under USB-Transfer on 'C:\' during step 2) so **HostRecPath and HostSendPath have to be modified in klis.ini file for channel 1.**

If you need the LIS in ASTM protocol, it should be connected to the channel 0 (otherwise the Query will not work).

The klis.ini installed by default is set for LIS on channel 0 and Down's syndrome software on channel 1 so nothing has to be changed except the **paths to access to shared folder.**

[CHANNELSINFO]
NROFCHANNELS=2
REPORTCHANNEL0=0

[LISCHANNEL0]
HostRecPath= c:\klis\download
HostSendPath= c:\klis\upload

path where to get data from LIS
path where to send data to LIS

HostName=KRYPTOR

Name of local device

AnalyserName= LIS

Name of remote device

ParsedDataFolder= c:\KLIS\ParsedData

Where to find parsed data from host messages (do not modify)

LOWRES=0

HIGHRES=999999999

[DOWNLOADTEST0]

Section to convert an analyte name from LIS to Kryptor: e.g. Euclide codes. Kryptor Panel names are allowed. If a panel in Kryptor has same name as an analyte, the panel has priority on analyte. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. ALPHAFETOPROTEIN=AFP

[UPLOADTEST0]

Section to convert an analyte name from Kryptor to LIS: e.g. Euclide codes. Section must be empty if analyte names are same on LIS and Kryptor.
e.g. AFP=ALPHAFETOPROTEIN

[LISCHANNEL1]

HostRecPath= s:\klis\from_FS

HostSendPath= s:\klis\to_FS

HostName=KRYPTOR

AnalyserName=FASTSCREEN

ParsedDataFolder= c:\klis\ParsedData

LOWRES=0

HIGHRES=999999999

[DOWNLOADTEST1]

[UPLOADTEST1]

If you have LIS in ASTM, apply the following steps 6 and 7 of this procedure and "Chapter 2 – License registration".

If you have LIS and/or Down's Syndrome software in HPRIM, skip steps 6 and 7 and go directly to "Chapter 2 – License registration".

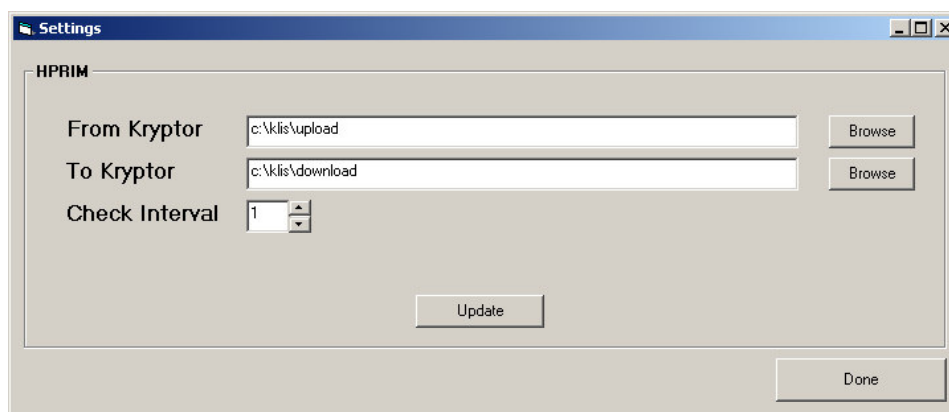
Step 6: Optional shortcuts for automatic launch of KIM.exe at PC startup

Skip this stage if you have no LIS in ASTM or if you don't want KIM to start automatically.

1. Create a shortcut from "c:\Program Files\KIM\KIM.exe" program under Windows 98 explorer.
2. Copy it into "c:\windows\Start Menu\Programs\Startup" folder under Windows 98 explorer.

Step 7: Check KIM properties – skip this stage if no LIS in ASTM

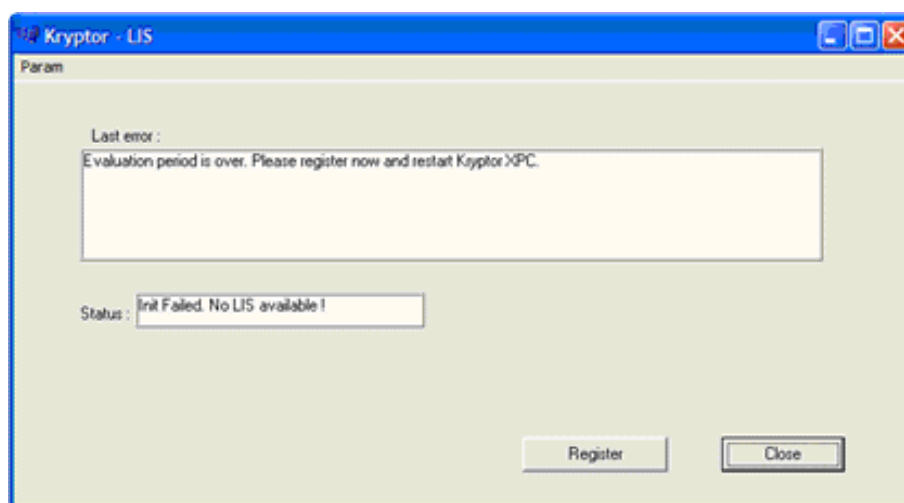
1. Run the KIM.EXE program (located in c:\program files\KIM).
2. Open Settings Window (Properties/Properties function)
3. Settings window should be displayed as below :



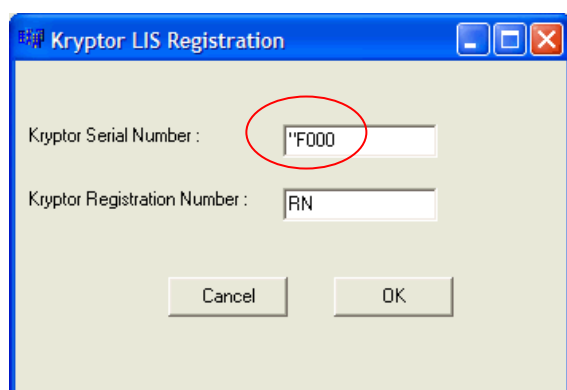
4. Modify "From Kryptor" field to **c:\klis\upload**, and "To Kryptor" field to **c:\klis\download**, then click "Update"
5. Click done.

Chapter 2 – License registration

1. Run the KRYPTOR or the KRYPTOR compact interface. The following window appears:



1. Click on Register button. The instrument serial number is automatically displayed. Enter the license number in the Kryptor Registration Number box and click OK.
2. If the Kryptor Serial Number doesn't correctly appear (like in the following window) :



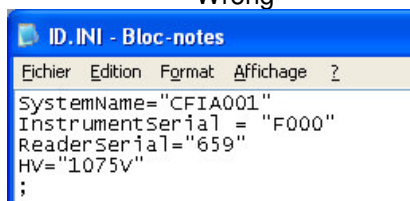
or



Go under I:\Fia\ and open the ID.INI file.

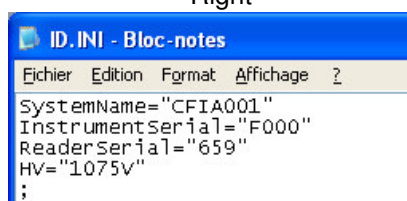
Delete the space around "=" and add the double quote around the serial number if they are missing.

Wrong



```
SystemName='CFIA001'
InstrumentSerial = 'F000'
ReaderSerial='659'
Hv='1075v'
;
```

Right



```
SystemName="CFIA001"
InstrumentSerial="F000"
ReaderSerial="659"
Hv="1075v"
;
```

Save modification and close ID.INI file.
Start the registration procedure again.

Remark : If you have a UK keyboard, you may have trouble to locate the double-quote – the double-quote is at the @ location.

Chapter 3 – Specific settings for sending QC results to LIS

In case you have a connection to LIS and no connection to Down's syndrome software, you have the possibility to transmit QC results to LIS.

The transmission of QC results to LIS is possible by doing the following actions:

- Open the "fia.ini" file which is located in C:\Windows.
- Add the line "SendLISControl=1" in section [PC] of the file
- Check that "AvgQCReps" is equal to 0 in section [PC] of this file (otherwise change it from 1 to 0).
- Save modification and close "fia.ini" file