

# **UwTerminalX Help Guide**

**Version 0.95**

Click this button to accept the terms and begin using the application

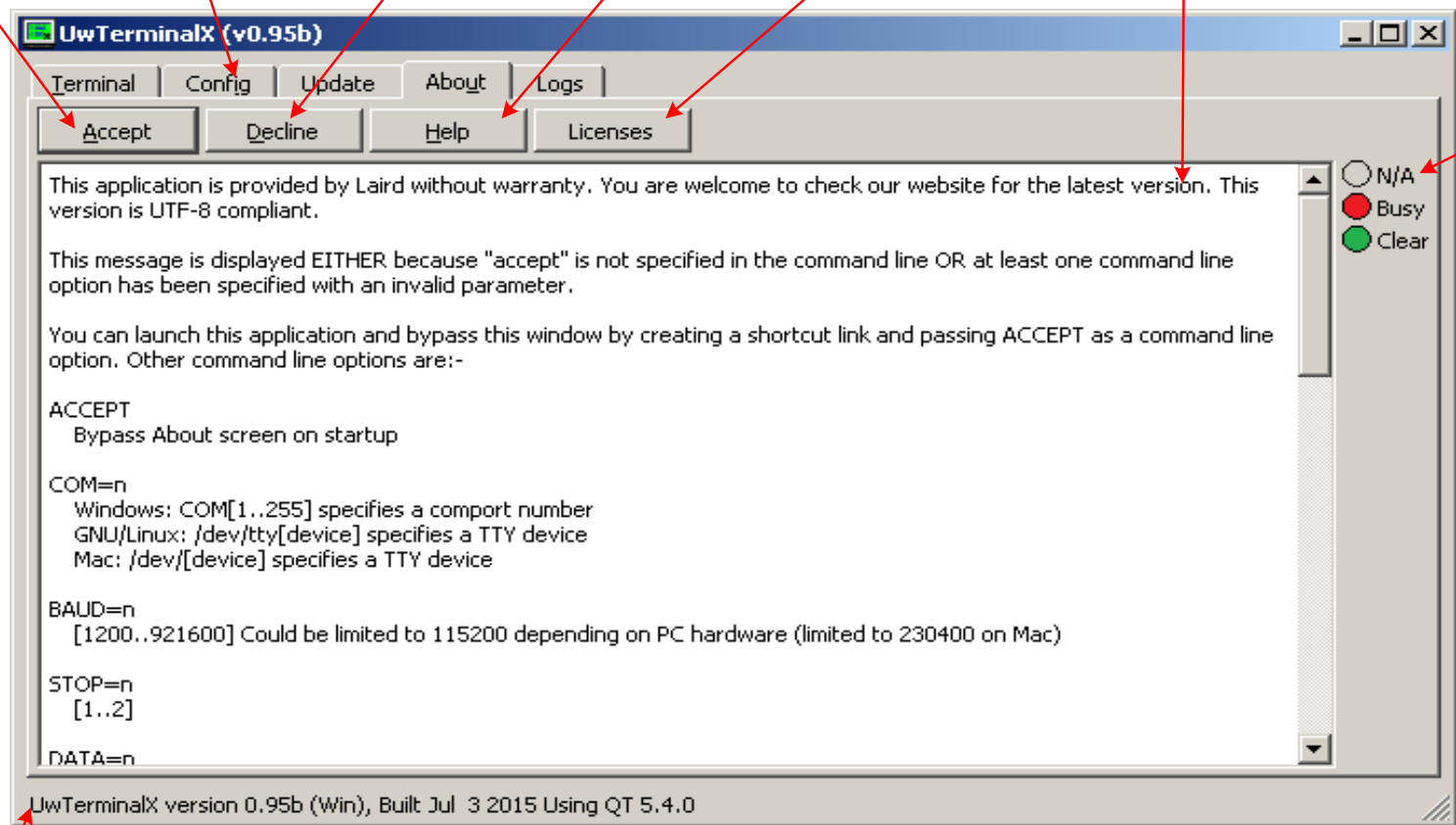
This is the tab navigation (terms must be accepted before the tab can be switched)

Click this button to decline the terms and close the application

Click this button to open this help document from within UwTerminalX

Click this button to display third-party license information

This contains the terms for use for UwTerminalX as well as various command line arguments that can be provided to it



This explains what the various icons next to the UART lines represent

This shows the UwTerminalX version, platform, build date and version of Qt it is using

The image shows the configuration window for UwTerminalX (v0.95b). The window has tabs for Terminal, Config, Update, About, and Logs. The Config tab is active, showing three main sections: Port Settings, Terminal, and Misc.

**Port Settings:**

- Device:** A dropdown menu currently showing 'BT900'. A plus button is next to it to add new configurations, and a minus button is to remove the current one.
- Refresh:** A button to refresh the list of serial devices.
- Port:** A dropdown menu currently showing 'COM1'.
- Baudrate:** A dropdown menu currently showing '115200'.
- Parity:** A dropdown menu currently showing 'None'.
- Stop Bits:** A dropdown menu currently showing '1'.
- Data Bits:** A dropdown menu currently showing '8'.
- Handshaking:** A dropdown menu currently showing 'CTS/RTS'.
- Save Device Configuration:** A button to save the current settings.

**Terminal:**

- Line Endings:** Radio buttons for CR, LF, CR LF, and LF CR. 'CR' is selected.
- AT+FWRH Line Size:** A text input field currently showing '60'.
- Skip download display:** A checked checkbox.
- Escape CR/LF/Tab:** An unchecked checkbox.

**Misc:**

- Run program:** A checkbox that is unchecked. Next to it are radio buttons for 'Before' and 'After XCompile'.
- Run program even if XCompile fails:** An unchecked checkbox.
- Pre/Post-XCompile Execution:** A text input field with a browse button (...).
- Enable Online XCompile:** A checked checkbox.
- Enable Logging:** An unchecked checkbox.
- Append to Log:** An unchecked checkbox.

**Buttons at the top:**

- OK:** Click OK to establish a connection with the selected settings.
- Quit:** Click Quit to exit the application.
- Duplicate Session:** Click Duplicate Session to launch another instance of UwTerminalX with the same settings as this session.

**Other elements:**

- Log file:** A text input field showing 'UwTerminalX.log'.
- Communications Port ((Standard port types)):** A text input field.
- Version:** UwTerminalX version 0.95b (Win), Built Jul 3 2015 Using QT 5.4.0

**Callout boxes:**

- This contains a list of device configurations which can be selected
- Click the plus button to add a new device configuration
- Click the minus button to remove the current device configuration
- Clicking the refresh button will refresh the list of serial devices
- These control what serial device will be used and the settings to use it with
- Clicking this will save the current device settings to the current device configuration profile
- This setting determines the line endings used when enter/return is pressed
- Check 'Run Program' to enable running a program before/after an Xcompilation takes place
- Before will execute the program/script before an XCompilation happens and after will execute it after it happens
- Check the 'Run program even if Xcompile fails' box to run the application, regardless if the Xcompile is successful or not.
- This contains the path to the executable/script that will be ran before/after XCompilation
- If this button is checked, smartBASIC files will be XCompiled on a cloud Laird server if no compatible Xcompiler is found on the local system.
- This is the filename that data logging will be put into.
- If this box is checked then control characters such as tab/newline characters will be escaped as \t, \r, \n.
- If this box is checked then data associated with downloading a file will not be shown in the terminal window.
- This is the length of each line to be sent whilst downloading a file to a device.
- If this box is checked, when the port is opened, data sent and received will be logged to the selected file
- If logging enabled and this is checked, opening a port will append data to the log file, if it is unchecked, it will clear the log file first

This shows the current status of the CTS, DSR, DCD and RI pins from the module

The RTS and DTR checkboxes allow the RTS (if hardware flow control is not used) and DTR signals to be changed

If the BREAK checkbox is checked, it will hold the TX line low (resets modules)

If the LocalEcho checkbox is checked then any data typed will be displayed on the output terminal

If the LineMode checkbox is checked then data will only be sent when enter is pressed, otherwise it's sent as soon as a key is pressed.

Clicking the clear button will clear the terminal display (not the TX/RX count though)

This can be used to either open or close the serial port.

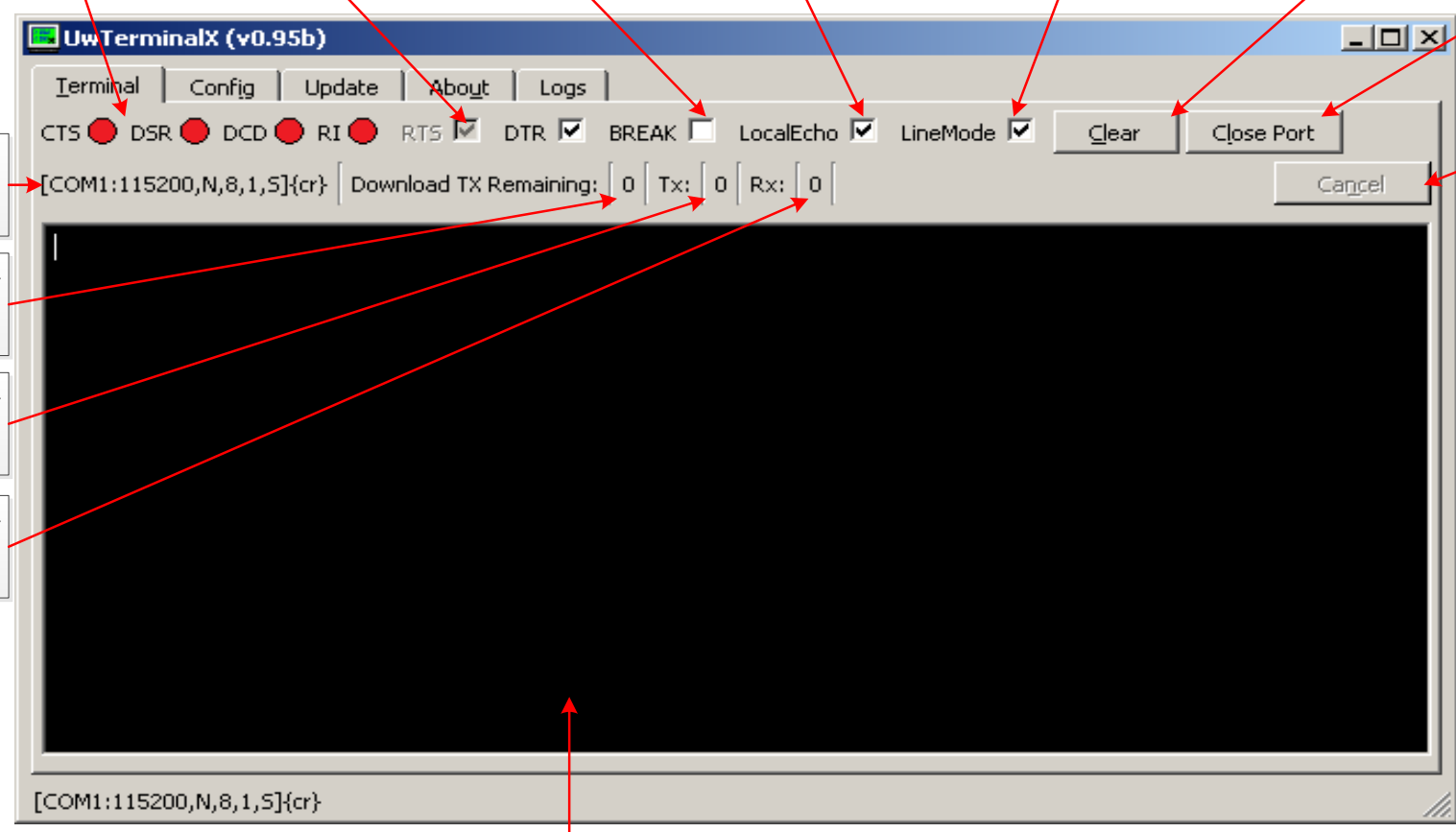
This shows the current port settings

This is the number of bytes still to be downloaded

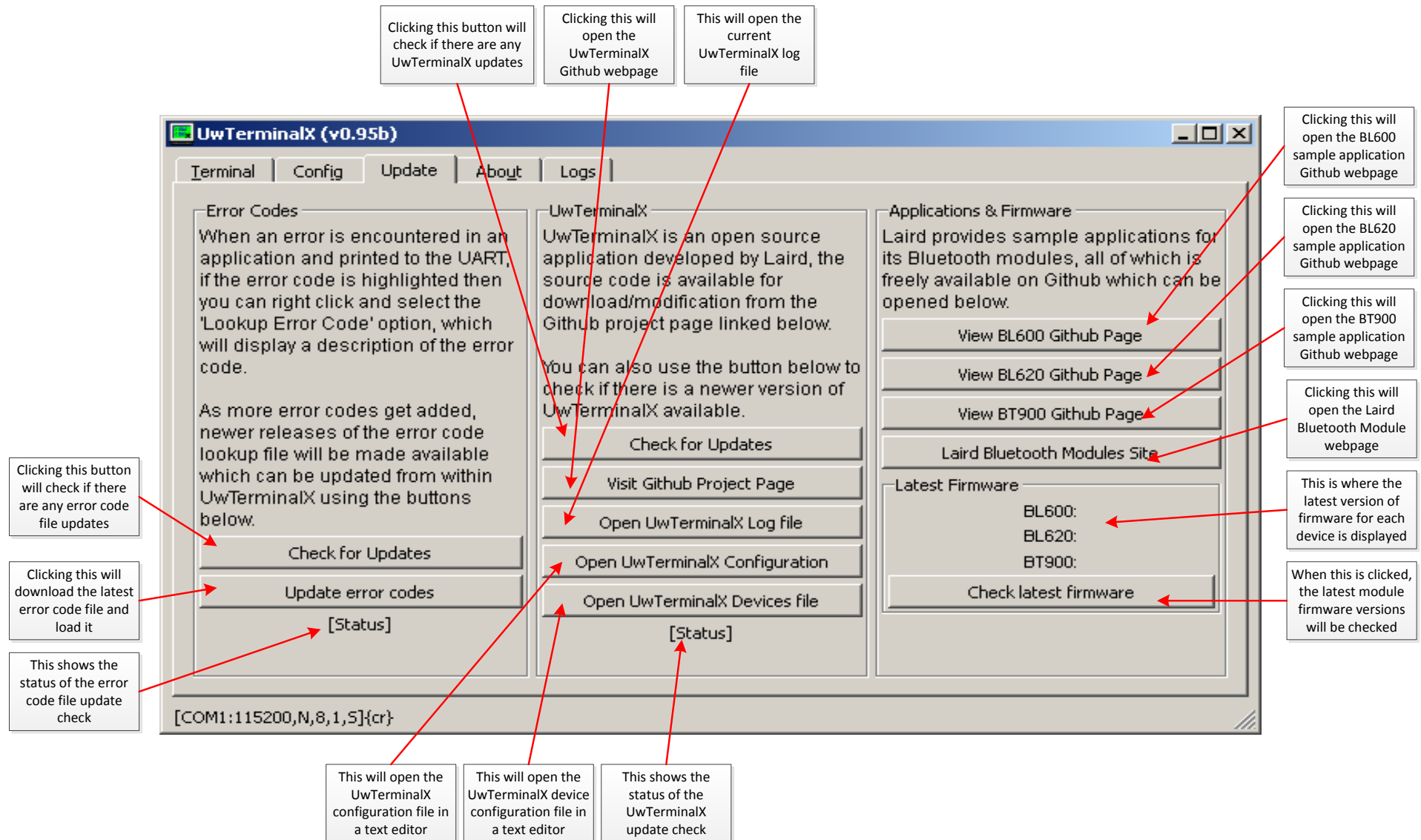
This is the number of bytes sent to the module

This is the number of bytes received from the module.

If a file download/batch/file stream is in progress then clicking cancel will stop it.



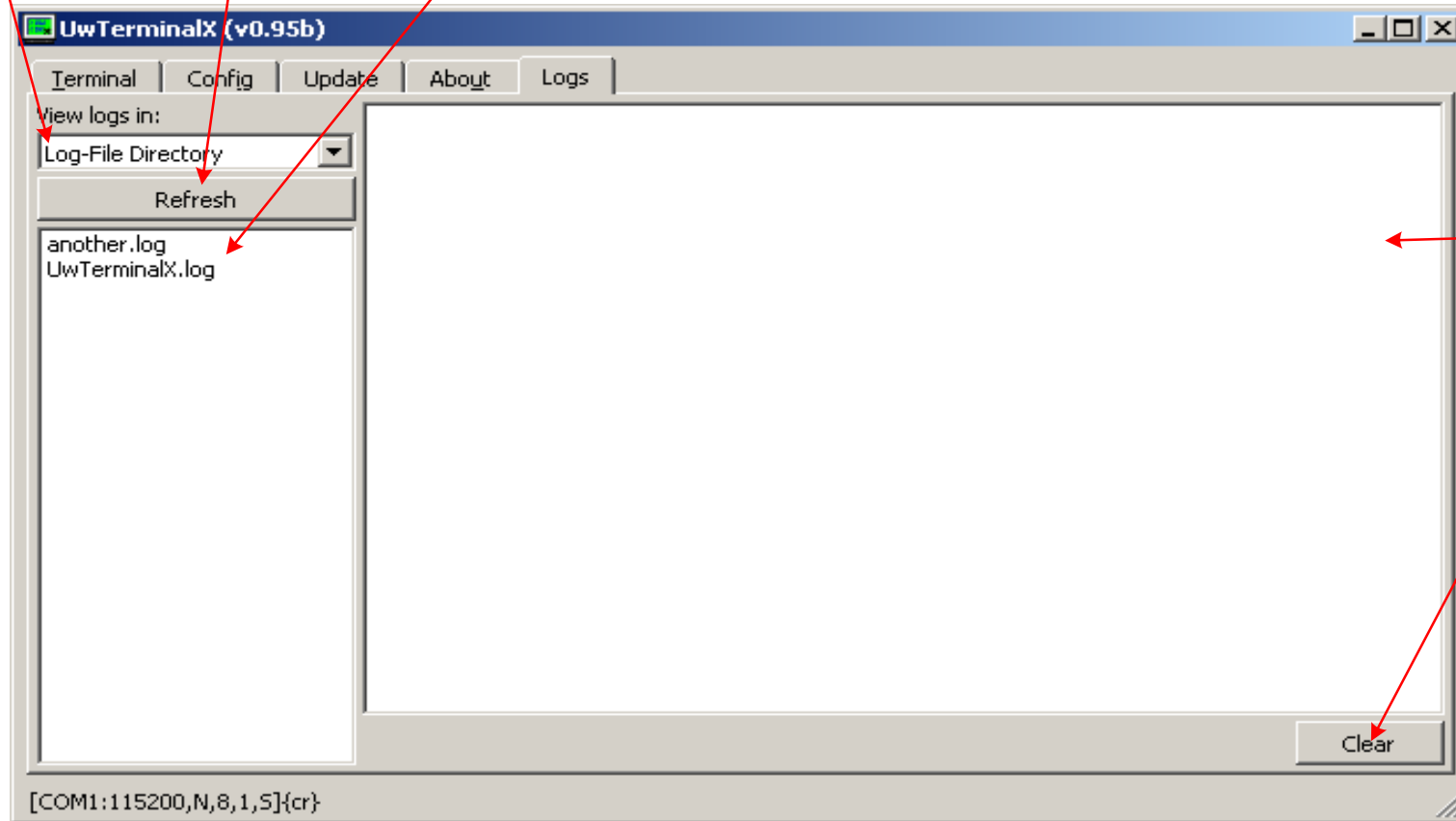
This is where the data going to and coming from the module is (and how you communicate with the module).  
  
Right click here for a list of options to use with the module.



This dropdown controls which directory will be looked in for log files

Click this button to refresh the view of the directory

This is a list of log files, select a log file to view its contents in the text viewer.



This is where log details will be displayed when a log file is selected

Click this button to clear the text view above and close the log file