

UwTerminalX

Quick Reference Guide



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The screenshot shows the UwTerminalX (v1.05) application window. The title bar reads "UwTerminalX (v1.05)". The menu bar includes "Terminal", "Config", "Update", "About", "Logs", and "Editor". Below the menu bar are buttons for "Accept", "Decline", "Help", and "Licenses". The main text area contains the following information:

This application is provided by Laird without warranty. You are welcome to check our website for the latest version. This version is UTF-8 compliant.

This message is displayed EITHER because "accept" is not specified in the command line OR at least one command line option has been specified with an invalid parameter.

You can launch this application and bypass this window by creating a shortcut link and passing ACCEPT as a command line option. Other command line options are:-

ACCEPT
Bypass About screen on startup

COM=n
Windows: COM[1..255] specifies a comport number
GNU/Linux: /dev/tty[device] specifies a TTY device
Mac: /dev/[device] specifies a TTY device

BAUD=n
[1200..921600] Could be limited to 115200 depending on PC hardware (limited to 230400 on Mac)

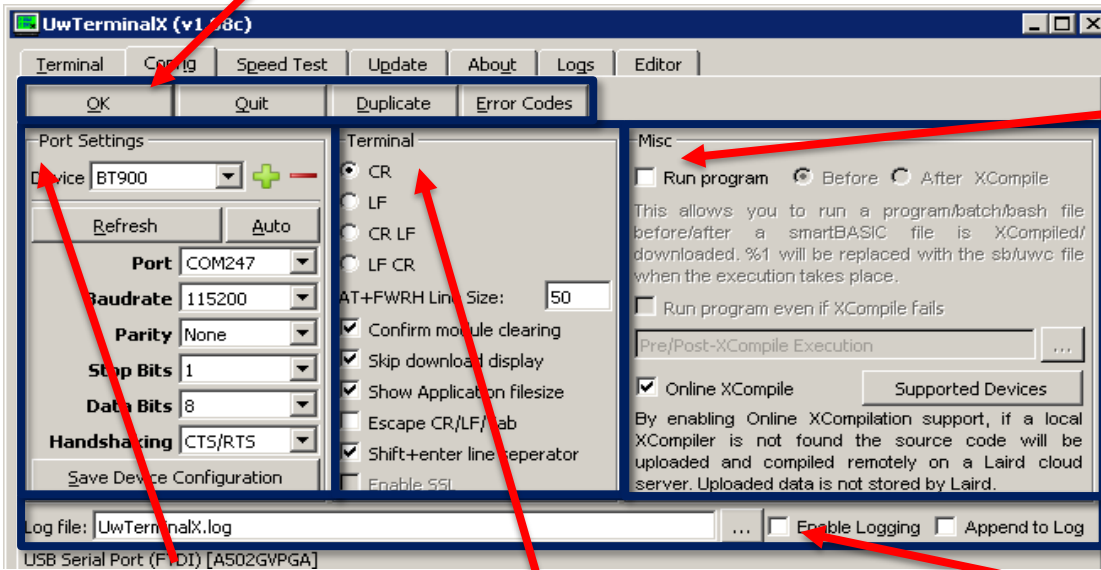
STOP=n
[1..2]

At the bottom of the window, a status bar reads: "UwTerminalX version 1.05 (Win), Built May 19 2016 Using QT 5.6.0".

Callouts with red arrows point to the following elements:

- Tab navigation. You must accept the terms before switching tabs. (Points to the menu bar)
- Click to decline the terms and close the application. (Points to the Decline button)
- Click to access this doc from UwTerminalX (Points to the Help button)
- Click to display third-party license info. (Points to the Licenses button)
- Displays the terms for use and command line arguments for UwTerminalX. (Points to the main text area)
- Click to accept the terms and to begin using the application. (Points to the Accept button)
- UART line icon explanations. (Points to the N/A, Busy, and Clear icons on the right)
- Displays the UwTerminalX version, platform, build date, and applicable QT version. (Points to the status bar)

OK	Quit	Duplicate Session	Error Codes
Click to establish a connection using the selected settings	Click to close the application	Click to launch a second instance of UwTerminalX with the same settings	Click to open the error code lookup dialogue



Misc

Run Program, Before/After	Select to run a program before/after an Xcompilation occurs
Run program even if XCompile fails	When selected, the program runs whether/not XCompile is successful
...	Click to navigate to and select the path to the executable/script that runs before/after XCompilation
Online XCompile	Online XComile – When selected, smartBASIC files are compiled on the Laird server cloud if no compatible Xcompiler is available on your local system
Supported Devices	Will show the modules supported by the Online XCompile server

Port Settings

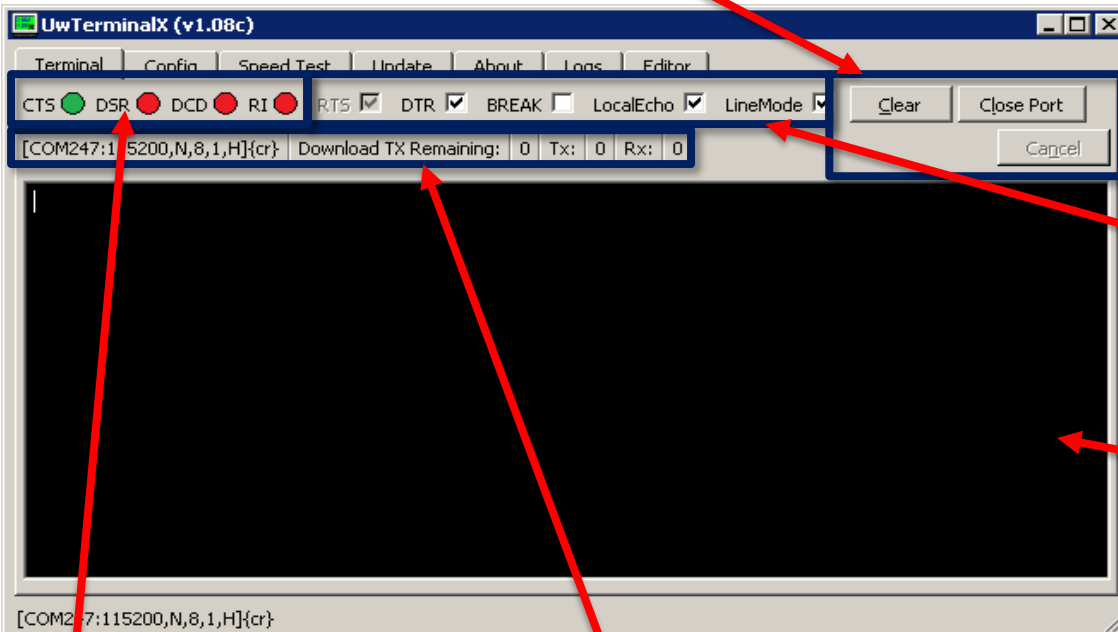
Device drop-down	Select the applicable device
+/-	Use to add/remove a device
Refresh	Click to refresh the list of devices
Settings	Use the drop-downs to adjust settings for the identified device
Save Device Configuration	Click to save setting changes

Terminal

CR/LF/CRLF/LFCR	Select the desired line ending for when you click Enter
AT+FWRH Line Size	The length of each line sent when downloading a file to a device
Confirm module cleaning	When selected, a confirmation will be made before the module is cleared
Skip download display	When selected, data associated with a file download does not display in the terminal window
Show Application file size	When selected, the compiled application file size will be down
Escape CR/LF/Tab	When selected, control characters (such as tab/newline) are escaped as \t, \r, \n
Enable SSL	When selected, SSL is used for web connections

Log file	The file name into which data logging is placed
Enable Logging	When selected and when the port is opened, sent/received data is logged to the identified log file
Append to Log	When selected and when logging is enabled, opening a port appends data to the log file. When unselected, the log file is cleared first.

Clear	Open Port/Close Port	Cancel
Click to clear the terminal display	Click to open or close the serial port	Click to cancel a file download/batch/file stream



Checkboxes

RTS	Allows you to switch between RTS (if hardware flow control is not used) and DTS signals
DTR	
BREAK	Select to hold the Tx line low (resets the modules)
LocalEcho	Select to display typed data on the output terminal
LineMode	Select to only send data when you press Enter; when not selected, data is set as soon as a key is pressed

Displays to where the data is transmitting and from where it is received; provides the ability to communicate with the module

Right-click for a list of options

Status

Displays the current status of the CTS, DSR, DCD, and RI pins from the module.

[COM3:115200,N,8,1,S]{cr} Download TX Remaining: 0 Tx: 0 Rx: 0

Displays current port settings

Number of bytes left to be downloaded

of bytes sent

of bytes received

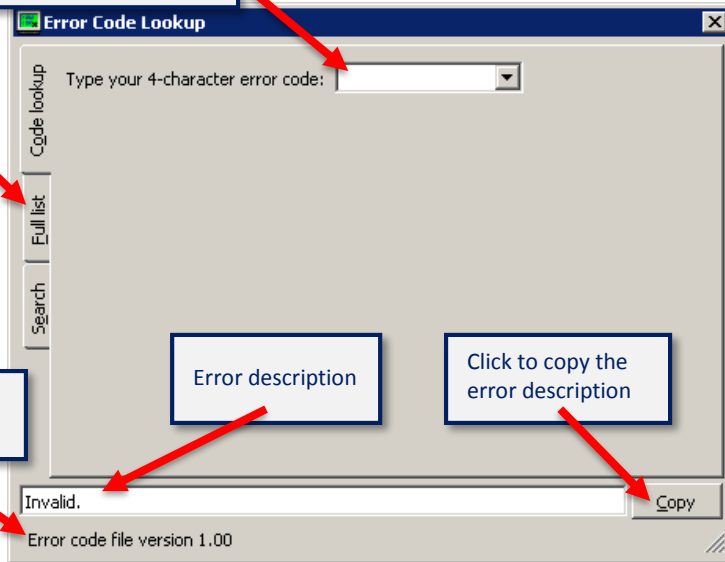
Type the error code in the error code search bar to view its description

Error lookup selection

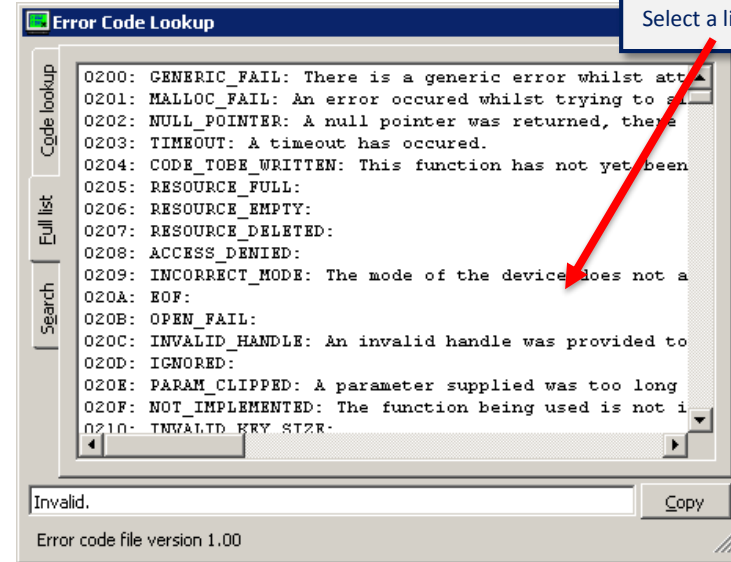
Error code database version

Error description

Click to copy the error description

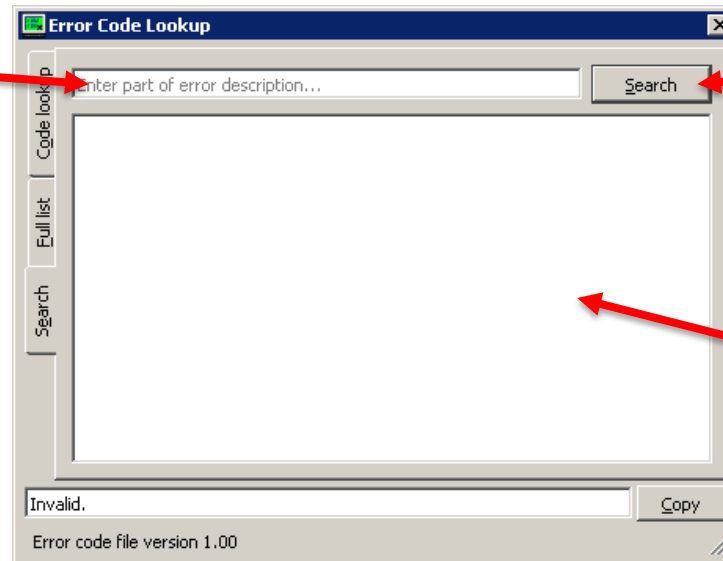


Full list of errors
Select a line to show the error

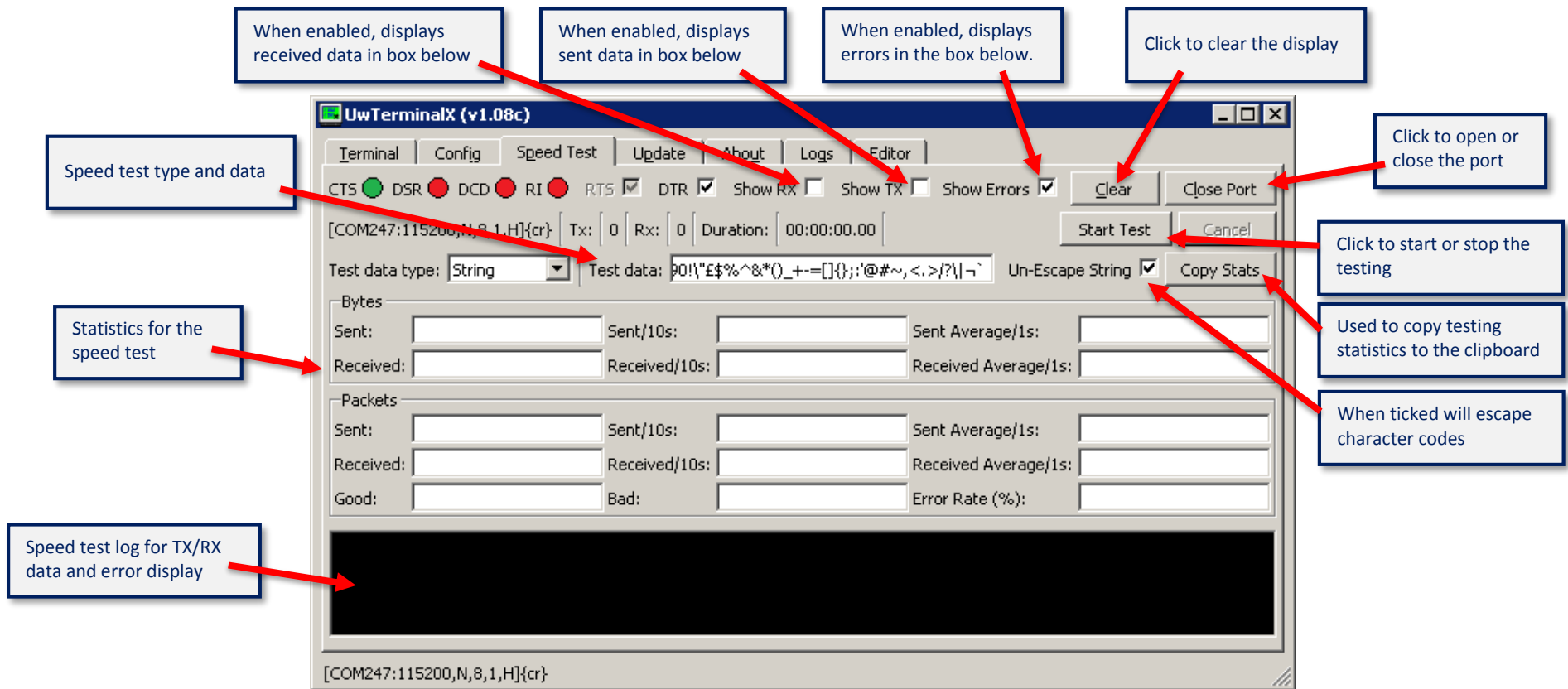


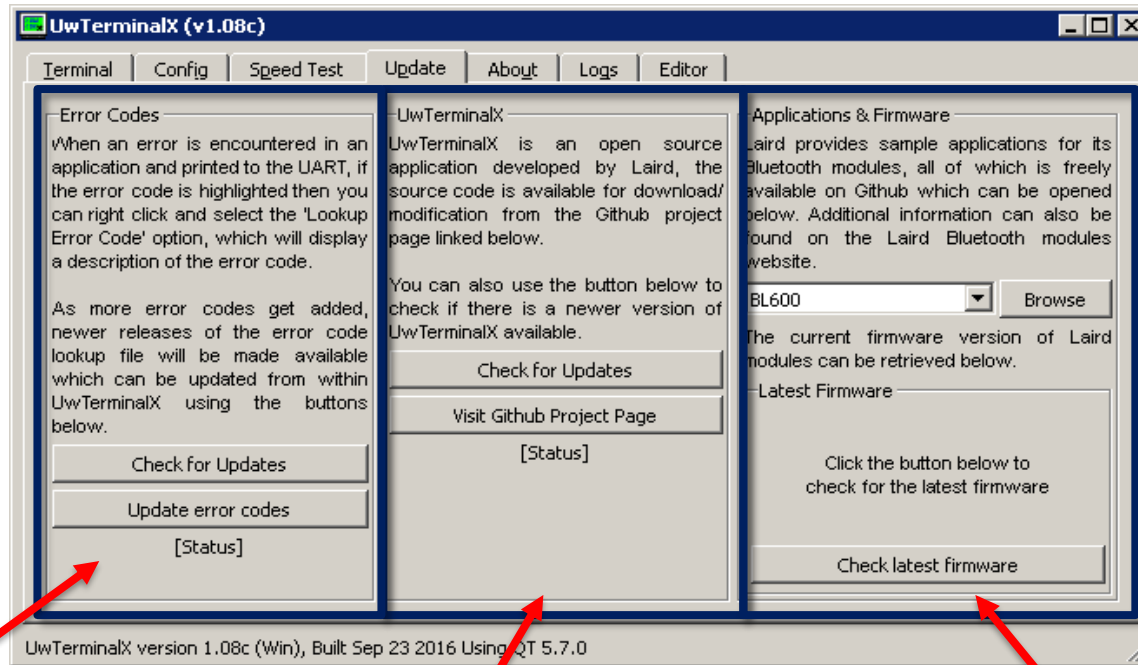
Type the error code or description for which you want to search

Press Search



Matching error codes will be displayed here.
Click the applicable error code to show a full description





Error Codes

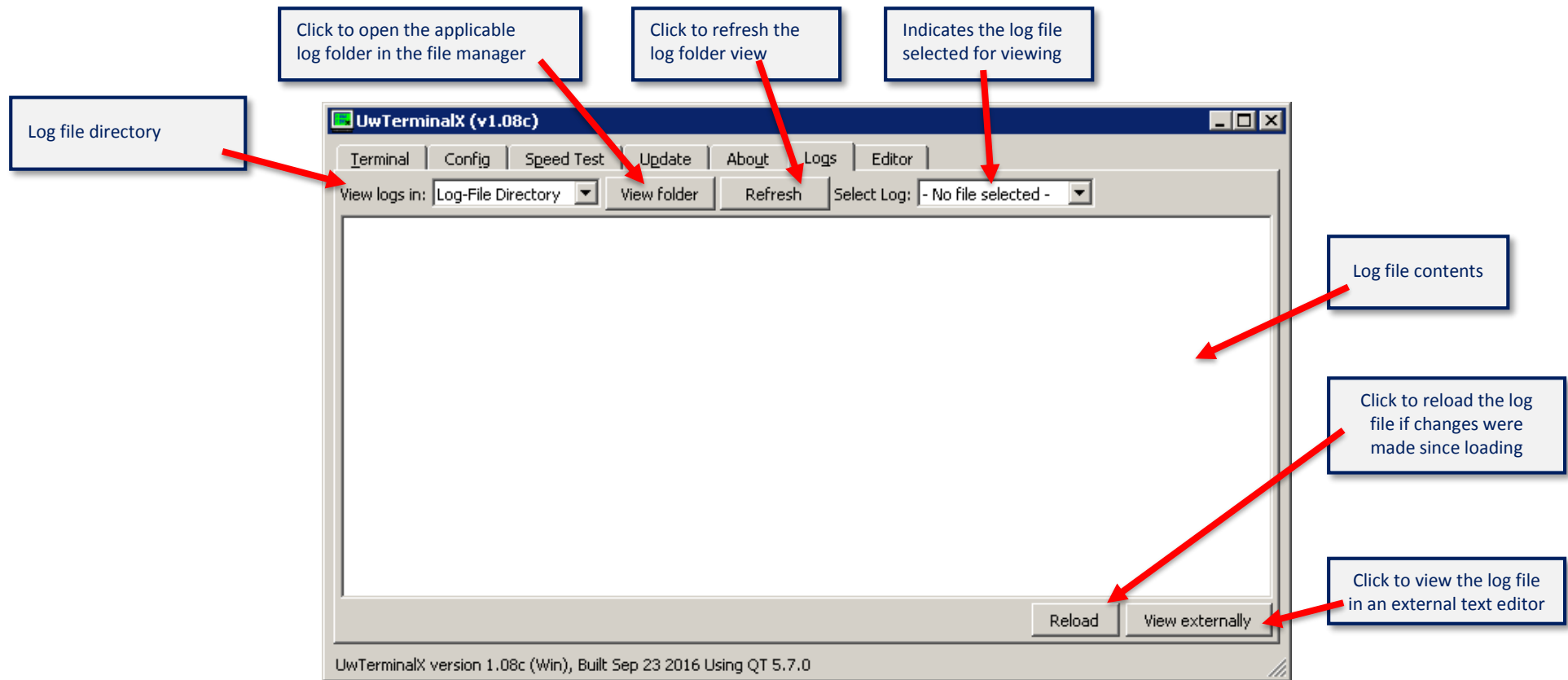
Check for Updates	Click to check for error code file updates
Update Error Codes	Click to download and load the latest error code file
Status	Displays the status of the error code file update check

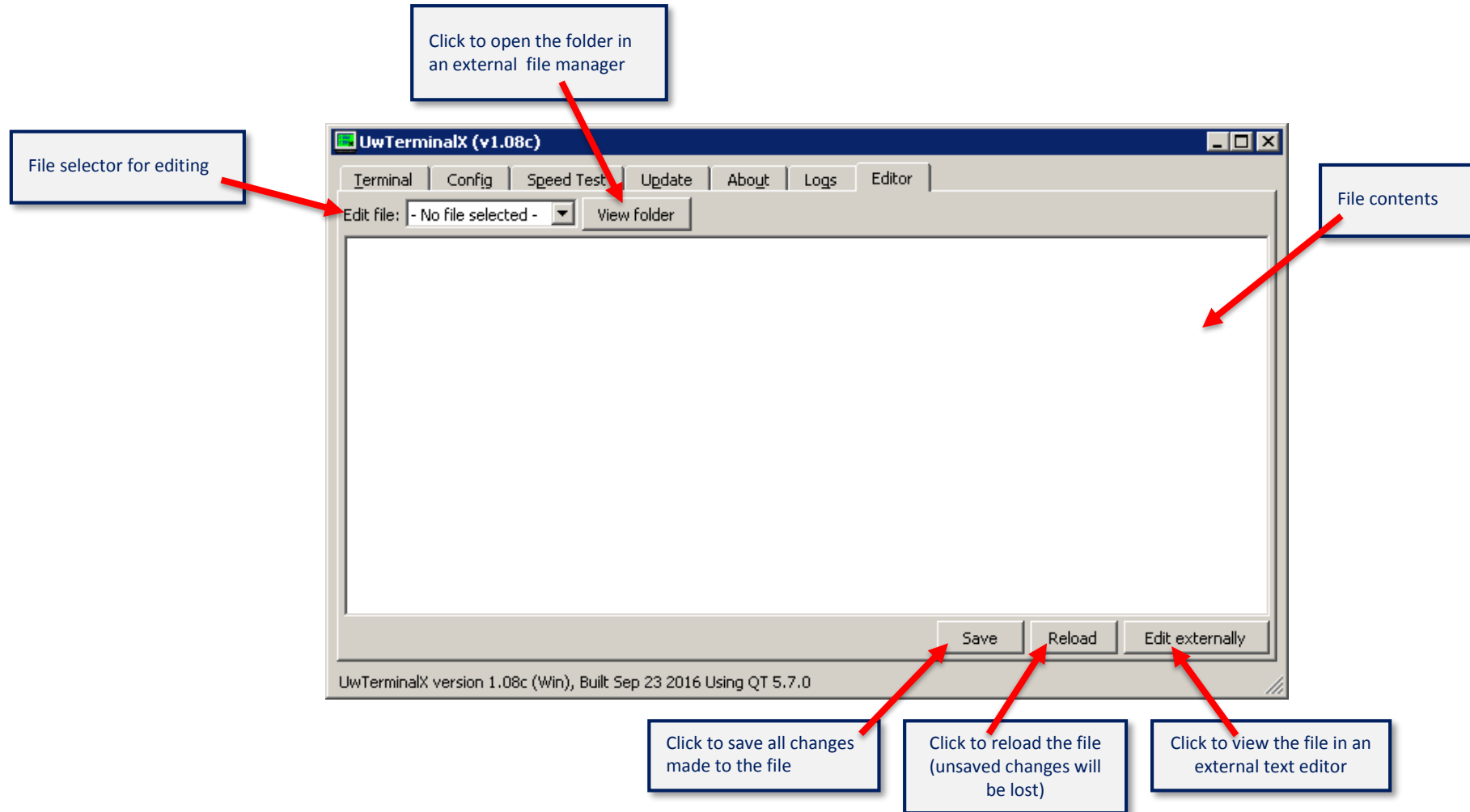
UwTerminalX

Check for Updates	Click to check for UwTerminalX updates
Visit Github Project Page	Click to open the UwTerminalX Github webpage
Status	Displays the status of the UwTerminalX update check

Applications and Firmware

Browse	Click to access a link to the options selected from the drop-down menu
Latest Firmware	Display of current firmware for each device
Check Latest Firmware	Click to check for the most recent firmware versions





REVISION HISTORY

Version	Date	Notes	Approver
1.0	25 May 2015	Initial Release	Jonathan Kaye
1.1	04 Oct 2016	Update with new functionality	Jamie McCrae

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