



Catstudio Offline UserGuide

V1.2

Document Conventions



Note: Provides related information or information of special importance.



Caution

Caution: Indicates potential damage to hardware or software, or loss of data.



Warning: Indicates a risk of personal injury.

Document Status

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1 Overview

1.1 CATStudio Brief Introduction

CATStudio: Cellular Analysis & Test Studio, is used to capture and analyze ASR UE log.

CATStudio **Offline** mode: is used to open UE log and show log with multiple methods and windows. Offline mode can run multiple CATStudio processes to open multiple UE log and compare.

CATStudio **Online** mode: is used to capture UE log and show UE status online. Online mode run only one CATStudio process since it needs to connect UE devices.

CATStudio **configuration file**: user must choose config file according to UE types such as PXA1826 , PXA1802, and so on. It is because of different UEs have different signal definitions.

1.2 System Requirements

1.2.1 HardWare

Processor	Pentium IV 2.0Hz (or higher).
Memory	512MB RAM or higher.
Hard Disk	128MB free space on the hard disk.
Interface	Two available serial communication ports (minimum). USB 2.0 Port

1.2.2 SoftWare

OS	MS Windows XP, Windows7
Application	Microsoft Visual C++ 2005 Redistributable Package (x86) or Microsoft Visual Studio2008.
Driver	CATStudio USB driver (same as ACAT USB driver), Included in CATStudio.

2 Replay Log

2.1 Catstudio Run

CATStudio is green software, It can be directly used after decompression without installation.

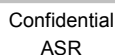
Run Catstudio.exe in CATStudio Release \Exec folder.

1、 Select Offline mode after pop out “Select Configuration File” dialog as shown in the picture:



To Import Log , please perform the following steps:

- 1、 Select Log->open Log File from the top menu bar or  by tool bar.
- 2、 Import ziplog or icllog file , Catstudio will auto play as shown in the picture;

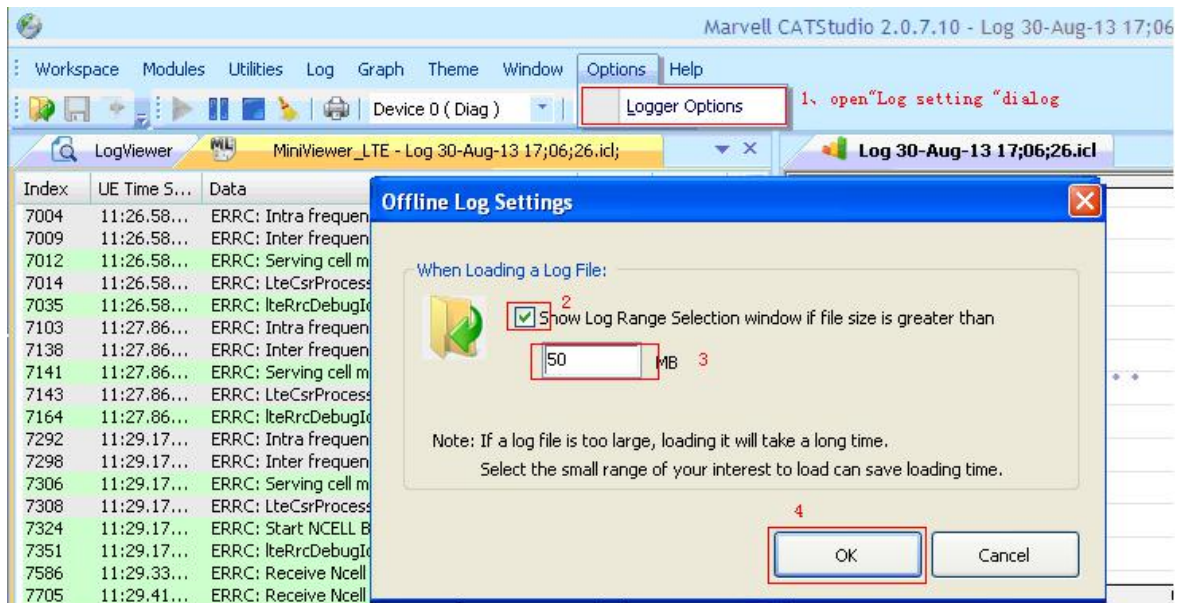


2.3 Set Log Range Selection

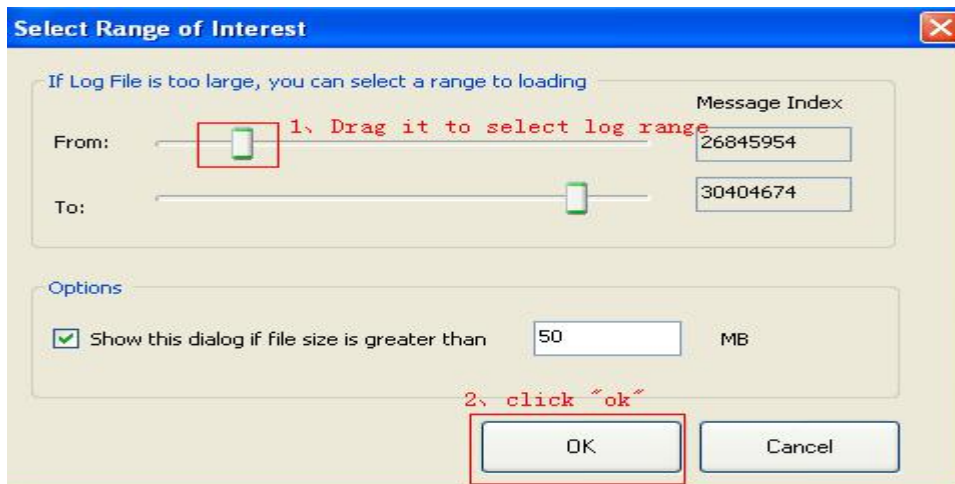
CATStudio support for log range selection when replay log.

To set log range selection , please perform the following steps:

1、 Select Options->Logger Options from the top menu bar, the Offline Log Setting dialog will be open as shown in the picture;



2、 Restart catstudio and then Import log that the file size is larger than setted threshold, the log range selection windows will be pop as shown in the following picture:



For the detail about log range selection, please refer to :

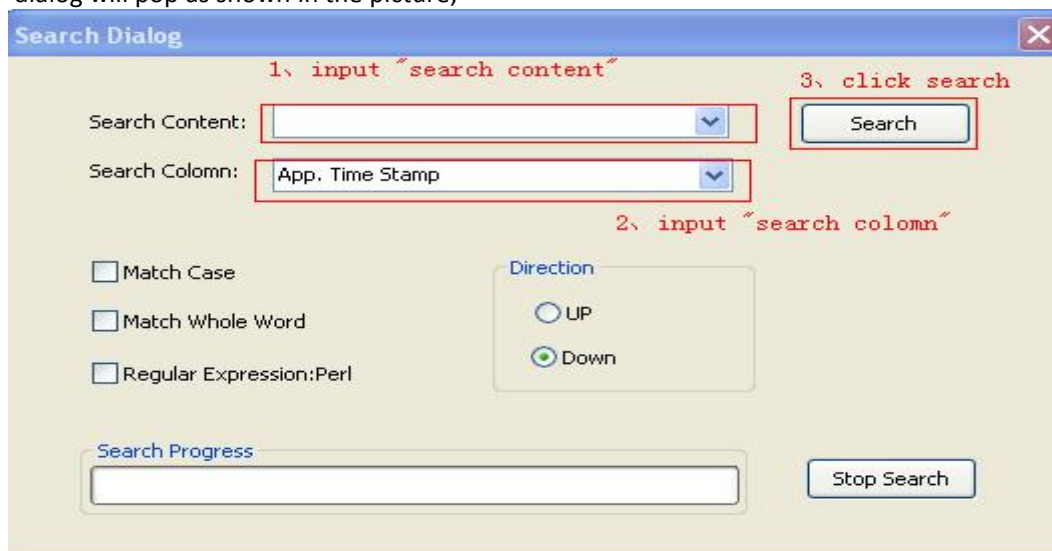
[ReleasePackage\Manual\Reference\Catstudio LogFile Guide .enu.pdf](#).

3 LogViewer

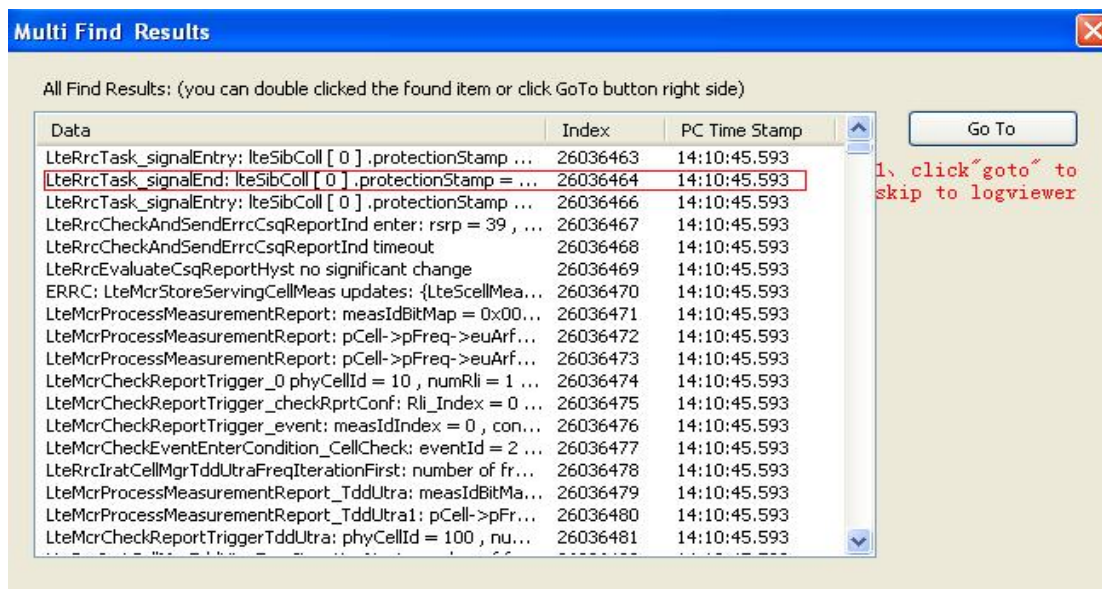
3.1 MultiFind Function

To activate multiFind function , the perform the following steps:

- 1、 Select "Find" from right click menu or enter "ctrl+f" by shortcut keys in logviewer dialog, the search dialog will pop as shown in the picture;



- 2、 All match result show in multifind result dialog as shown in the following picture, double click message can skip to logviewer.



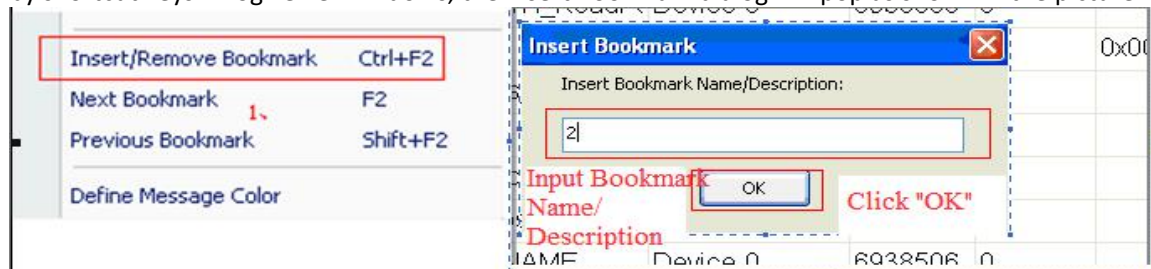
For the detail about MultiFind, please refer to:

[Release Package\Manual\Reference\LogViewer Find Goto Guide .enu.pdf.](#)

3.2 BookMark Function

To activate BookMark function , the perform the following steps:

1、 Insert Bookmark method. Select “Insert/Remove Bookmark” from right click menu or enter “ctrl+f2” by shortcut keys in logviewer windows, the insert Bookmark dialog will pop as shown in the picture



2、 Save Bookmark. To activate Logviewer windows, select Logviewer->Save Bookmark As from the menu bar, the Bookmark will be saved.

3、 Import Bookmark.

1) Import log , if loaded log , you can skip to this step;

2) To activate Logviewer Windows, select Logviewer->Import Bookmark from the menu bar and then select .csv file that you need file.

For the detail about Bookark, please refer to:

[Release Package\Manual\Reference\LogViewer Bookmark Guide enu.pdf.](#)

3.3 GoTo Function

“GoTo” function help user to quickly locate message. The main function is as follows:

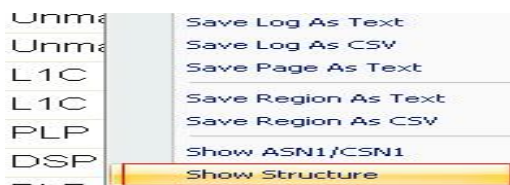


GoTo index: quickly locate to index and support for “Ctrl+G”

4 StructViewer

To activate StructViewer function , the perform the following steps:

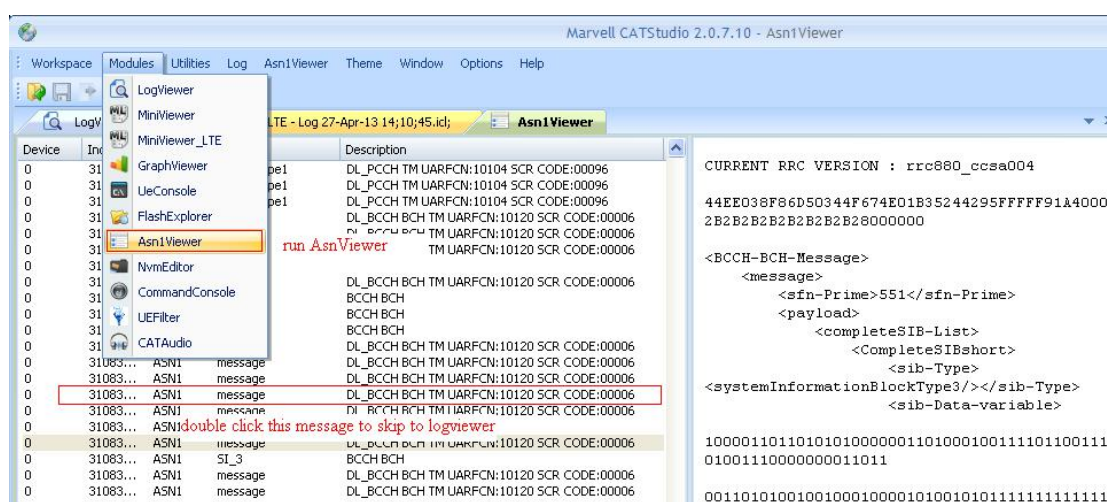
Select “Show Structure” from right click menu as shown in the picture:



5 Asn1Viewer

To activate Asn1Viewer, the perform the following steps:

- 1、Select Modules->Asn1Viwer from the top menu bar , the Asn1Viewer is auto-refresh asn1message after load log as shown in the following picture:



6 UeConsole

To activate UeConsole, the perform the following steps:

- 1、Select Modules->UeConsole from the top menu bar , the UeConsole is auto-refresh AT message after load log as shown in the following picture:



For the detail about UeConsole, please refer to:

[Release Package\Manual\Reference\UEConsole_UserGuide_enu.pdf](#)

7 Appendix

7.1 Report issues

Please visit webs: <http://support.asrmicro.com>.

Or submit an issue at CQ web: <http://sh2-cq01.asrmicro.com/cqweb/login>.

7.2 Update this document

Please send updated document to lianghuxu@asrmicro.com, with "PHS CATStudio document update: ..." title for merging, and you will receive merged latest version.

7.3 Revision History

Document No and Revision	Author	Description	Date
1.0	Jiajia Huo	Initial version	2013-09-3
1.1	TOM	Update	2013-09-6
1.2	Zuning Zhou	Update	2019-02-15