

#### ADLINK Technical Document

Abstract	How to Use ADLINK GPIB Peeper to Record			
OS	Windows			
Keyword	GPIB			
Related Products	USB-3488A, LPCI-3488A, LPCIe-3488A			
Date	2021-10-29	No.		

• Issue Details:

When troubleshooting issues with the ADLINK GPIB, ADLINK uses a peeper utility to record messages to a log file for analysis. This document provides a guide to using the Peeper utility.

• Solution:

# Step 1: Record Messages

To record messages, do the following:

- a. Launch ADLINK Peeper utility
- b. Click the green play button

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<u>File Peeper View H</u> elp							
Index Function Description	ibsta	iberr	ibcnt	Sta			





- c. Go to C:\ADLINK\ADL-GPIB\utility
- d. Click GPIB Utility.exe
- e. Set infinite or 1000

本機磁碟 (C:) > ADLINK > ADL-GPIB > utility ~					
名稱 ^	修改日期	類型	大小		
🕼 GPIB Utility.exe	2013/8/8 下午 02:37	應用程式		68 KE	\$

# f. Peeper begins automatically

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	unction Description	ibsta	iberr	ibcnt	Starting Time	Duration	Process ID	Thread ID
	ofind(GPIB0)	0x0100	0x0000	0x0000	09:13:05.738	00:00:00.002	0x00002384	0x00000610
	onl(0, 0)	0x0100	0x0000	0x0000	09:13:05.738	00:00:00.002	0x00002384 0x00002384	0x00000610
	ofind(GPIB1)	0x0100	0x0000	0x0000	09:13:05.743	00:00:00.003	0x00002384	0x00000610
	ofind(GPIB2)	0x8000	0x0000	0x0000	09:13:05.743	00:00:00.000	0x00002384	0x00000610
	ofind(GPIB2)	0x8000	0x0000	0x0000	09:13:05.743	00:00:00.000	0x00002384	0x00000610
	ofind(GPIB4)	0x8000	0x0000	0x0000	09-12-05 742	00-00-00 000	0x00002384	0x00000610
	ofind(GPIB5)	0x8000	0x0000	0x0000	or 🚛 GPIB Utili			- 0 X
	ofind(GPIB6)	0x8000	0x0000	0x0000				
	ofind(GPIB7)	0x8000	0x0000	0x0000	File Setting	g Help		
	ofind(GPIB8)	0x8000	0x0000	0x0000	05			
	ofind(GPIB9)	0x8000	0x0000	0x0000	05			
	ofind(GPIB10)	0x8000	0x0000	0x0000	05			10 M
	ofind(GPIB11)	0x8000	0x0000	0x0000	o 🛛 🖂	My Computer		
	ofind(GPIB12)	0x8000	0x0000	0x0000		🚺 GPIBO		
	ofind(GPIB13)	0x8000	0x0000	0x0000	0			
	ofind(GPIB14)	0x8000	0x0000	0x0000	05	FLUKE,7	526A,2176160,1.01 (PA	:13)
	ofind(GPIB15)	0x8000	0x0000	0x0000	05			
	ofind(GPIB0)	0x0100	0x0000	0x0000	05 05 05 05 05 05 05 05 05 05 05			
18 it	orsc(0, 0)	0x0100	0x0001	0x0000	05			
	opad(0, 0)	0x0100	0x0000	0x0000	05			
	orsc(0, 1)	0x0100	0x0000	0x0000	05			
	config(0, 0x0011, 1)	0x0100	0x0002	0x0000	05			
	osic(0)	0x0130	0x0000	0x0000	05			
	osre(0, 1)	0x0130	0x0000	0x0000	05			
24 F	indLstn(0, {0x0001, 0x0002 }, {0x000d}, 30)	0x0138	0x0000	0x0001	05			
	odev(0, 13, 0, 11, 1, 0)	0x0100	0x0000	0x0001	05			
	owrt(16, "*IDN?", 5)	0x0100	0x0000	0x0005	09			
7 ił	ord(16, "FLUKE,7526A,2176160,1.01", 24)	0x2100	0x0000	0x0018	09:13:07.900	00:00:00.079	0x00002384	0x00000610
	oclr(16)	0x0100	0x0000	0x0018	09:13:07.989	00:00:00.000	0x00002384	0x00000610
29 il	oonl(16, 0)	0x0100	0x0000	0x0000	09:13:07.990	00:00:00.000	0x00002384	0x00000610
30 ił	osic(0)	0x0130	0x0000	0x0000	09:13:07.990	00:00:00.001	0x00002384	0x00000610





### Step 2: Save to Log File

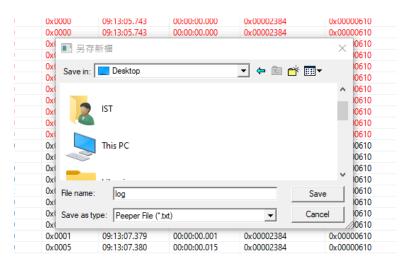
Save the recorded messages to a text file to send to ADLINK.

a. Click Save (floppy disk icon)

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File P	eper View Help					
0 🖻						
Index	Fu Saven Description	ibsta	iberr	ibcnt	Starting Time	Dura
	ibfind(GL B0)	0x0100	0x0000	0x0000	09:13:05.738	00:00
1	ibonl(0, 0)	0x0100	0x0000	0x0000	09:13:05.740	00:00
2	ibfind(GPIB1)	0x8000	0x0000	0x0000	09:13:05.743	00:00
3	ibfind(GPIB2)	0x8000	0x0000	0x0000	09:13:05.743	00:00
4	ibfind(GPIB3)	0x8000	0x0000	0x0000	09:13:05.743	00:00

- b. Select the save location
- c. Enter the file name (default: log.txt)
- d. Click Save







e. Send the saved text file to ADLINK for analysis.

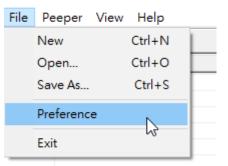
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imageour.emz	4/20/2021 1:40 PIVI	EIVIZ FILE	I ND
log.txt	10/29/2021 9:16 AM	Text Document	3 KB
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4			1
5	0/20/2024 410 FM	ononcor	

#### Step 3: Set infinite record

ADLINK needs to get the detailed data information, so set the infinite log to record all information.

## a. Go to File > Preference

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b. Select Infinite then click OK

ADLINK Peeper Preference	×
Record Deepth	OK
Infinite	Cancel
O Max. 1000 lines	

#### Step 4: No Data Troubleshooting

If there is no log data, there could be an issue with the NI Configuration Manager service. To remedy this situation, stop the service as follows:

- a. Go to Task Manager
- b. Go to the Services tab

# c. Find mxssvr (NI Configuration Manager) service and check if the Status is Running

👰 Task Manager				– 🗆 X
<u>F</u> ile <u>O</u> ptions <u>V</u> iew				
Processes Performance App	history	Startup Users Detail: Services		
Name	PID	Description	Status	Group
🌼 MessagingService_88f9c		MessagingService_88f9c	Stopped	UnistackSvcGr
🔍 MicrosoftEdgeElevationSer		Microsoft Fage Elevation Service (Mi	Stopped	
鵒 MixedRealityOpenXRSvc		Windows Mixed Reality OpenXR Ser	Stopped	LocalSystemN
🔍 mpssvc	4348	Windows Defender Firewall	Running	LocalServiceN
SDTC	1	Distributed Transaction Coordinator	Stopped	
🔍 MSiSCSI		Microsoft iSCSI Initiator Service	Stopped	netsvcs
🤹 msiserver		Windows Installer	Stopped	
😪 MsKeyboardFilte		Microsoft Keyboard Filter	Stopped	netsvcs
🔉 mxssvr 🦰	4808	NI Configuration Manager	Running	-
🔍 Natural Authentication		Natural Authentication	Stopped	netsvcs
🔍 NcaSvc		Network Connectivity Assistant	Stopped	NetSvcs
🔍 NcbService	1784	Network Connection Broker	Running	LocalSystemN
CALUTOSetup		Network Connected Devices Auto-S.	Stopped	LocalServiceN

## d. Right-click mxssvr, then click Stop to stop the service

msiserver MsKeyboardFilter		Windows Installer Microsoft Keyboard Filter	Stopped Stopped	netsvcs
🔍 mxssvr	4944	NI Configuration Manager	Start	1
katuralAuthentication		Natural Authentication		
🔍 NcaSvc		Network Connectivity Assistant	Stop	
NcbService	1948	Network Connection Broker	Restart	mN
🔍 NcdAutoSetup		Network Connected Devices Auto-S	Open Service	es ceN
🔍 Netlogon		Netlogon	Search onlin	
🔍 Netman		Network Connections		mN
anetprofm	2860	Network List Service	Go to details	ce
A NACAMARA		Martine de Carton Cartónia	0	





# e. Stopped indicates that the service has stopped

	MICROSOTE ISCSI INITIATOR SERVICE	stopped	netsvcs
🌼 msiserver	Windows Installer	Stopped	
C. McKeyboardEiltor	Microsoft Keyboard Filter	Stoppod	netsvcs
🔍 mxssvr	NI Configuration Manager	Stopped	
NaturalAutnentication	Natural Authentication	Stopped	netsvcs
🔍 NcaSvc	Network Connectivity Assistant	Stopped	NetSvcs

