

Conext™ ComBox USB Application Note

976-0378-01-01/A

December 2016

Application Note

CopyLOGS.lux

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Application(s)

CopyLOGS.lux

Applicability

ComBox Application Firmware Ver03.02 BN0813 and later

Overview

The LOGS partition of ComBox is no longer visible to users. In order to provide the complete logging information to users, this LUX script will copy all the files and directory structure in LOGS partition to the USB thumb drive.

Note that this LUX script takes up to an hour to finish depending on how many files are stored in the LOGS partition. When the LUX script is about to start copying files and when it finishes copying, the MEMORY LED will flash 10 times in both situations. During the copying process, the MEMORY LED will continuously flash slowly and the user is allowed to use web GUI to do regular operations except:

1. Any operations that may cause the device to reboot (e.g. Changing Language settings).
2. Reprogramming the device application firmware and/or bootloader.
3. Xanbus device upgrades.
4. Unplugging the USB thumb drive.

Usage

To copy files in LOGS partition to an SD card:

Step 1: Execute the CopyLOGS.lux script

1. Copy the CopyLOGS.lux script to the root directory of a USB thumb drive.
2. Ensure there are no other LUX scripts in the USB thumb drive.
3. Insert the USB thumb drive into the ComBox.

4. It takes about an hour usually to finish the copy process. When the script starts copying files, the MEMORY LED on the ComBox flashes 10 times.
5. During the copy process, the MEMORY LED will continuously flash slowly. The user is allowed to use web GUI to do regular operations, except:
 - Any operations that may cause the device to reboot (e.g. Changing Language settings)
 - Reprogramming the device application firmware and/or bootloader
 - Xanbus device upgrades
 - Remove the USB thumb drive from the ComBox
6. If one or more files failed to be copied, the script will continue copying other files until all the folders and files are attempted. The error information will be logged into `settings.log` files in USB thumb drive.
7. When the script finishes executing, the MEMORY LED flashes 10 times again. Unplug the USB thumb drive from ComBox.

Step 2: Review the settings log file

1. After the file copy process, insert the USB thumb drive into your PC and confirm that the `settings.log` file has been created.
2. Review the content of the `settings.log` file. It logs whether the file copy process is successful or failed. The `settings.log` will also indicate the files that are not copied successfully.
3. Confirm that the `CopyLOGS.lua` script is executed successfully. It should have created multiple lines which is similar to the one below:

```
ComBox-B12761908 : Fri Nov 25 13:48:17 2016,CopyLOGS
v1.00
ComBox-B12761908 : Fri Nov 25 13:48:19
2016,[Init]:Obtaining system variable handles successful.
ComBox-B12761908 : Fri Nov 25 13:48:19
2016,[Init]:Resetting system variables successful.
ComBox-B12761908 : Fri Nov 25 13:48:36 2016,[Space
Check]:USB drive has enough free space. FREE: 2805MB,
REQUIRED: 85MB
ComBox-B12761908 : Fri Nov 25 13:51:10 2016,[Scan
Files]:Total files to copy: 9314
ComBox-B12761908 : Fri Nov 25 13:51:46 2016,[Copy
Files]:Progress: 2%
ComBox-B12761908 : Fri Nov 25 13:52:23 2016,[Copy
Files]:Progress: 4%
ComBox-B12761908 : Fri Nov 25 13:51:46 2016,[Copy
Files]:Progress: 6%
ComBox-B12761908 : Fri Nov 25 13:52:23 2016,[Copy
Files]:Progress: 8%
ComBox-B12761908 : Fri Nov 25 13:51:46 2016,[Copy
Files]:Progress: 10%
```

```
ComBox-B12761908 : Fri Nov 25 13:52:23 2016, [Copy  
Files]:Progress: 12%
```

```
ComBox-B12761908 : Fri Nov 25 13:51:46 2016, [Copy  
Files]:Progress: 14%
```

```
...
```

```
ComBox-B12761897 : Fri Nov 25 14:51:46 2016, File copy is  
successful
```

```
ComBox- B12761908: Fri Nov 25 13:51:46 2016, END
```

4. Safely eject the USB thumb drive from the ComBox.

Step 3: Review the copied files in USB thumb drive

1. The folder that the files are copied to has the following naming convention:

(device_name)_LOGS_(YYYYMMDD)_(HHMMSS)

Where

- device_name is the device name of the ComBox where the LUX script was invoked, for example: ComBox-B12761897.
- YYYYMMDD is the date when the LUX script was executed. YYYY is the year expressed in four digits. MM is the month expressed in two digits. DD is the day expressed in two digits.
- HHmmSS is the exact time accurate to second when the LUX script was executed. HH is the hour expressed in two digits. mm is the minute expressed in two digits and SS is the second expressed in two digits.

For example, the folder can be similar to

ComBox-B12761897_LOGS_20161028_145610.

2. Open the folder where all the files are located in USB thumb drive. You will see the same directory structure and the copied files in each directory.