DALIBuildings Release Notes

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DALIBuildings 2.0.7 Release Notes

October 2014

WHAT'S NEW

WEB SERVICE CHANGES

This release introduces the following new functions:

GetControllersPointStatusFormatted ()

Description:
Returns a comma separated value of all points' status from a controller.

Parameters:

Name	Description
siteId	ID of the physical site address
controllerId	Controller's Id. Valid value: 0-999.
lineType	DALI Line of the points. Valid value: • 0: all DALI Line • 1: Line A • 2: Line B

Return values:

If all points from both DALI line is requested, the return value will be 128 values. However if only a specific DALI line is requested, only 64 values will be returned. Example: "4,0,4,0,256,256,…,256".

SendDaliCommandToPoint ()

Description:
Send a DALI command to a single point or to all points.

Parameters:

Name	Description
siteId	ID of the physical site address
controllerId	Controller's Id. Valid value: 0-999.
pointAddress	Point's address. Valid value: • 0-63: a single point • 255: broadcast
lineType	DALI Line of the points. Valid value: • 0: all DALI Line • 1: Line A • 2: Line B
isIndirectCommand	Is indirect command? Valid value: • True: if DALI command (eg. MAX) • False: if ARC level
command	Command to be sent. Valid value: • Valid DALI command (eg. 5 for MAX) • ARC level (0-255)

Return values:

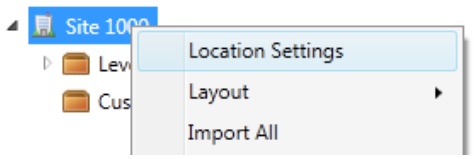
N/A (void)

NOTE:

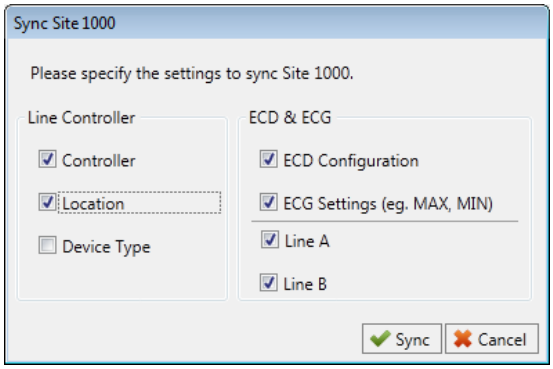
This release also fixes the issue where DALIBuildings produces a misleading WSDL which exposes all functions as void even though they have return values. **After upgrading, please update your web service client to use the new WSDL.**

LOCATION CHANGES

Controller's location is now a global setting. User can quickly set all controllers within a Site to have the same location (e.g. Melbourne).



This release also enables user to sync location using the Sync-All feature.



AUTOMATIC QUIET MODE

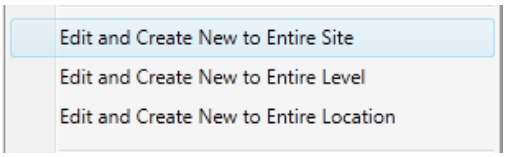
During controller sync and ballast sorting, DALIBuildings will:

- Inhibit the DALI line: so that sensors are not interrupting the ballast sorting process.
- Stop the controller: if controller is on RUN mode, it will be put to STOP mode temporarily. Upon completion, it will be returned to RUN mode. By stopping the controller, the traffic on the DALI line will be reduced.

SEQUENCE IMPROVEMENT

When creating new sequence, user can specify a sequence Id, rather than using a determined sequence Id.

Also DALIBuildings supports creating a single sequence to other controller(s). User can do this using the 'Edit and Create New..' feature.



BUG FIXES

This release fixes the following issues:

- Default profile on ECD: after controller sync, ECDs failed to go to the default profile. Example: after upgrading controller's firmware then performing sync, the controller will go to profile 1 but the ECDs stay on profile 4.
- Ballast sorting: when sorting ballast, DALIBuildings failed to reflect the address changes to the database.
- Scheduled Timer change: scheduling a change to a Timer was not supported. Now user is able to specify a date and time for a Timer to be reconfigured automatically. This is useful for special occasions which require a once-off Timer change.
- Copy behaviour on offline ECD: some of the properties on an offline ECD failed to be copied to another offline ECD.
- Database settings: editing the SQL Server name textbox freezes the UI.

KNOWN ISSUES

The following issue is known to exist in the software:

- Ballast sorting for offline programming: when ballast is created during offline programming, sorting ballast will rearrange their order in the database.
  Workaround: please use a manual sorting by using the 'Swap Address Only' function. This feature will not rearrange the ballast address in the database.

We are actively working on a fix for this and will release an update as soon as possible.

DALIBuildings 2.0.6 Release Notes

September 2014

WHAT'S NEW

SQL SERVER INSTALLATION FIX

This release fixes the SQL Server installation failure. On specific dates, the installer will fail to install SQL Server and returns with 'Out Of Range String' error message.

ECD CONFIGURATION FIX

This release fixes the issue when syncing ECD. If the user only make a few changes (eg. change sensor detection mode from 'Presence' to 'Disabled'), those changes are not applied instantly by the ECD.

WEB SERVICE HELP

This release contains the help file for DALI Web Service.

TREEVIEW AUTO REFRESH AFTER DATABASE IMPORT

The TreeView will be automatically refreshed after a database import to reflect the new data.

MINOR FIXES

This release fixes the following issues:

- Sorting Ballast: when sorting ballast with exclusion then going back to sorting all ballasts, the exclusion start address is still taken as the starting address.
- Ballast Editor: ballast editor failed to load if there are duplicate addresses.

KNOWN ISSUES

The following issue is known to exist in the software:

- Schedule Manager: currently scheduling a change to a Timer is not supported. Once this feature is enabled in the next release, user will be able to set a date and time for a Timer to be reconfigured automatically. This is useful for special occasions which require a once-off Timer change.
- Sorting Ballast: when sorting ballast, the ECD sensors are not automatically inhibited so they can interfere the sort process by turning on or off the ballasts.
  Workaround: please manually disable or inhibit the ECD sensors before sorting ballast.

We are actively working on a fix for this and will release an update as soon as possible.

DALIBuildings 2.0.5 Release Notes

August 2014

IMPORTANT NOTES

- Before installing the software please read the accompanying document *DALIBuildings Installation Guide*.

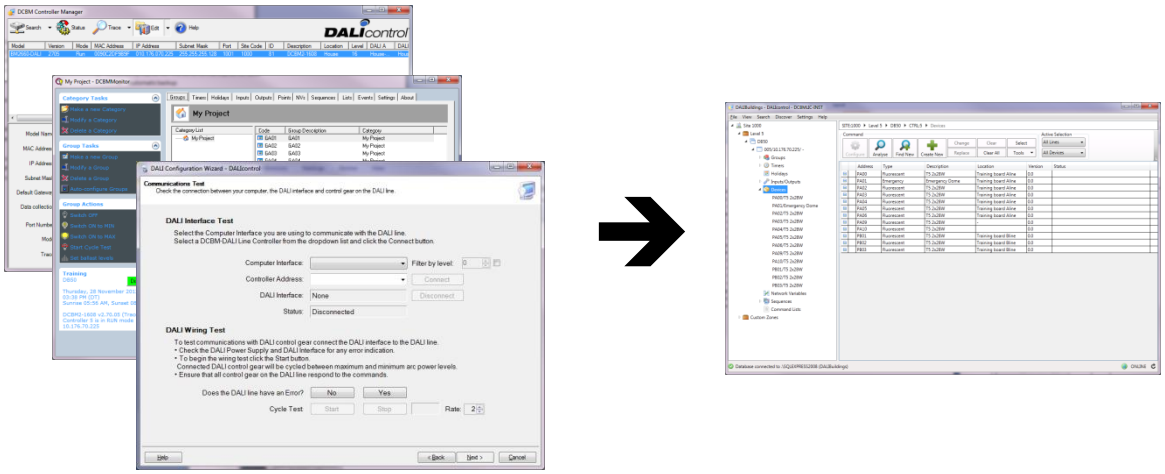
WHAT'S NEW

- Single Software Solution
- Faster Programming
- Building-Mode View
- Custom Zone Improvement
- Web Service Interoperability
- Robust Data Storage

SINGLE SOFTWARE SOLUTION

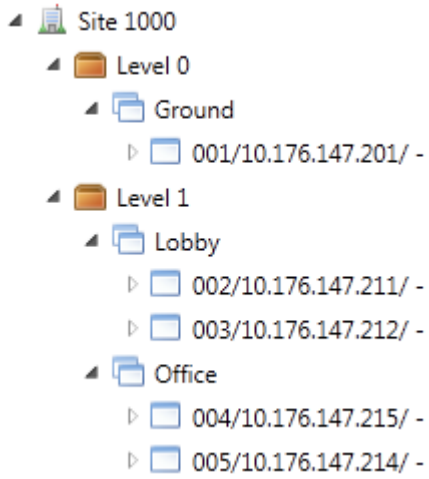
Instead of using different software to commission different part of the project, DALIBuildings can commission a DALI project from start to finish. DALIBuildings has the functionalities from the following software:

- DCBMManager: configures the DCBM controller
- DCBMMonitor: configures Input/Output, Groups, etc.
- DCBMWizard: configures ECGs and ECGs.



Project-centric approach

It also introduces a project-centric approach rather than previous controller-centric approach which means user is able to see all controllers from a project on one screen. User gets a structural view of the Network layout and it adds the ability to work cross controller (e.g. user can send ON/OFF command to a CustomZone which contains all lift lobbies from every level of a building).



Compatibility with existing software

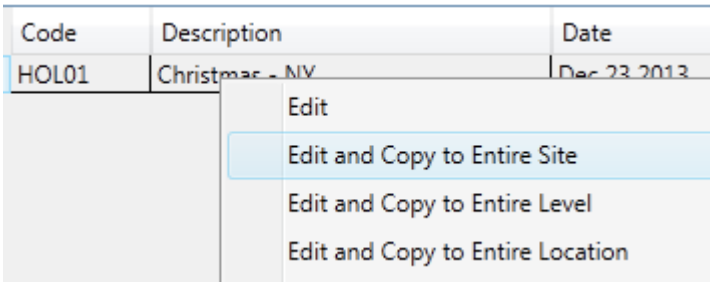
DALIBuildings has the capability to import from existing databases, so existing project can be converted into using the new solution approach. This will add new benefits such as Web Service (for interoperable with other system, such as the HVAC/Security system) to an existing DALI site.

FASTER PROGRAMMING

With the project-centric approach of DALIBuildings, it enables user for faster programming.

Edit multiple objects

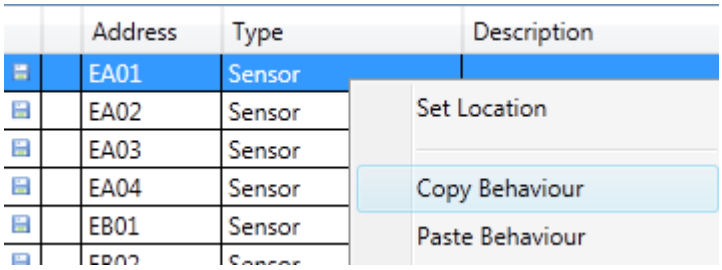
Some object such as Schedule, Holiday, and Sequence are likely to have the same configuration across all controllers. For example when we are adding a holiday, we would like to add the holiday to all controllers. DALIBuildings enables user to open a holiday as a template then copies the configuration to multiple controllers.



Copy-paste

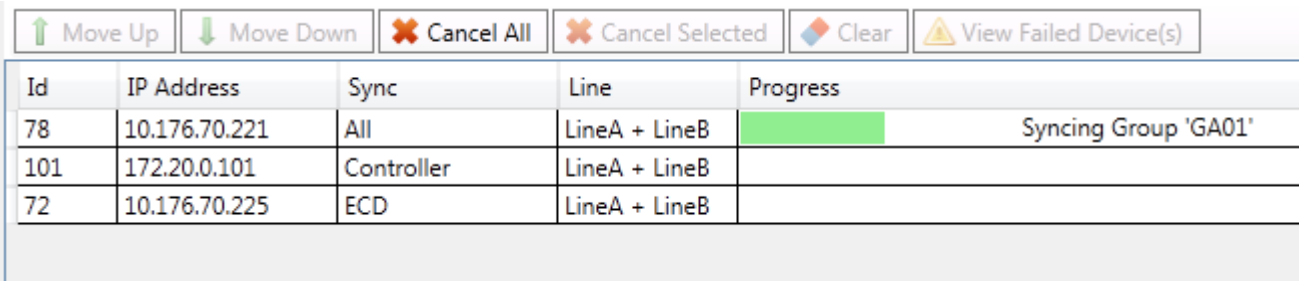
Copy paste functionality lets the user choose an object as a template then paste it to other objects. Currently you can copy-paste the following:

- ECD behaviour: copy the configuration of an ECD except its target.
- Controller's base configuration: copy all Schedules, Holidays, and Sequences to another controller(s).



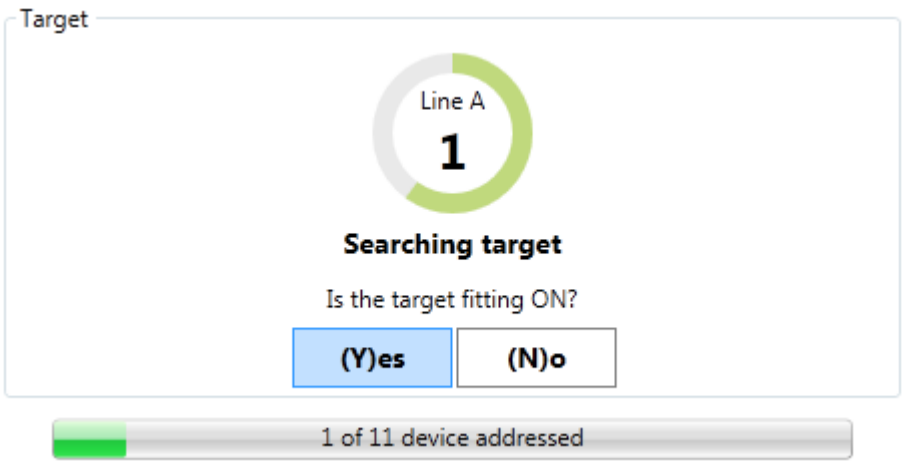
Automatic queuing when syncing or upgrading firmware

DALIBuildings enables user to sync or upgrade multiple controller. It then creates a queue and executes the task based on the queue.



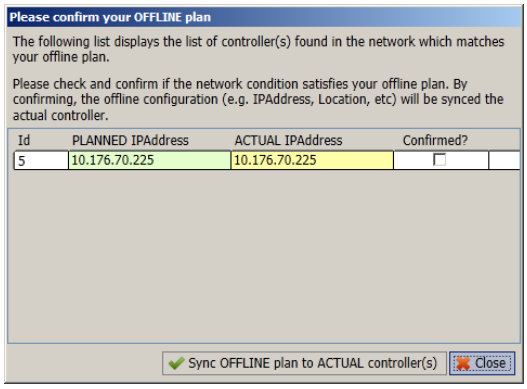
Faster ballast address sorting

DALIBuildings utilises a new sorting algorithm to help user sort their ballast quicker.

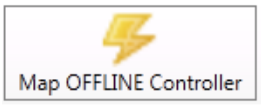


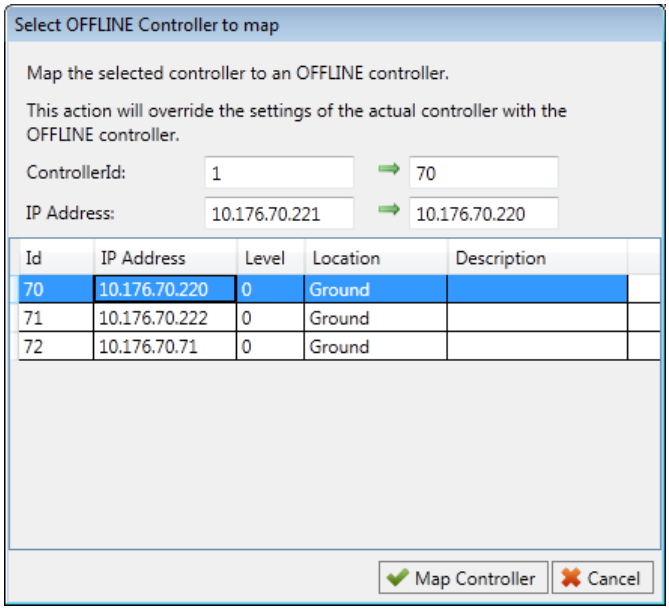
Program controllers and devices in offline mode

DALIBuildings allow user to create controllers and devices in offline mode. This allow user to develop their site plan without waiting for the controller/device to be completely installed. Once the user is on site, they can initiate the discovery process and DALIBuildings will recognise and match the offline plan.



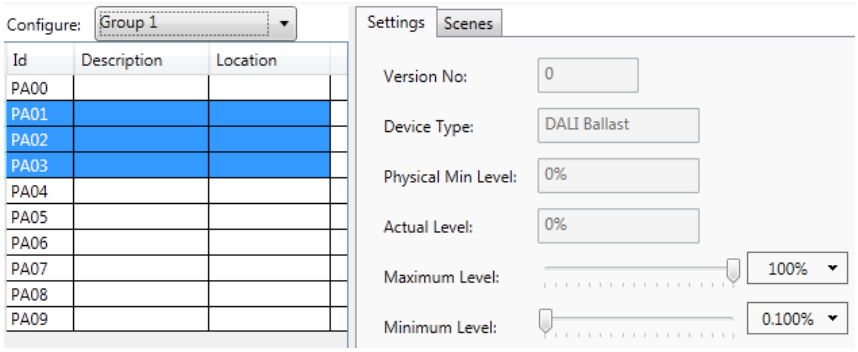
If DALIBuildings could not match the OFFLINE plan with the actual controllers, user has the option to manually map a controller to an OFFLINE controller.





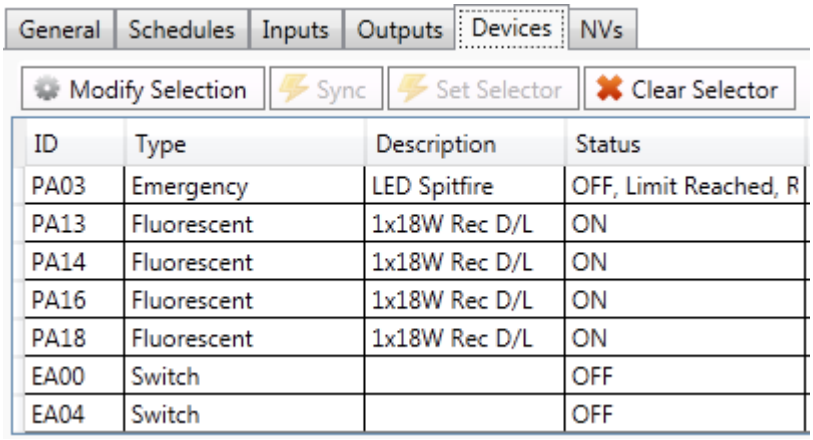
Offline editing for ballast settings

Ballast settings are now stored in the database. This enables user not only to do offline programming but also to have a backup of the ballast settings.



Better Fault-Finding/Analysis Tool

Since DALIBuildings has all information from a project, analysing your project becomes easier. For example a typical fault finding is to find which ECG/ECD is causing problem in a Group. DALIBuildings will automatically scans the ECDs to find which one is targeting the faulty Group and display the list along with the ECGs.

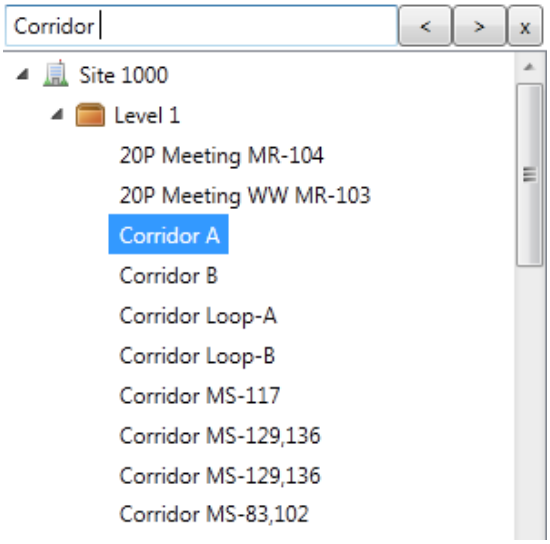


ID	Type	Description	Status
PA03	Emergency	LED Spitfire	OFF, Limit Reached, R
PA13	Fluorescent	1x18W Rec D/L	ON
PA14	Fluorescent	1x18W Rec D/L	ON
PA16	Fluorescent	1x18W Rec D/L	ON
PA18	Fluorescent	1x18W Rec D/L	ON
EA00	Switch		OFF
EA04	Switch		OFF

BUILDING-MODE VIEW

DALIBuildings introduces a new view which simplifies the layout of the project. This view would be ideal when the project is in operational mode since the building operator does not need to know the physical layout of the project.

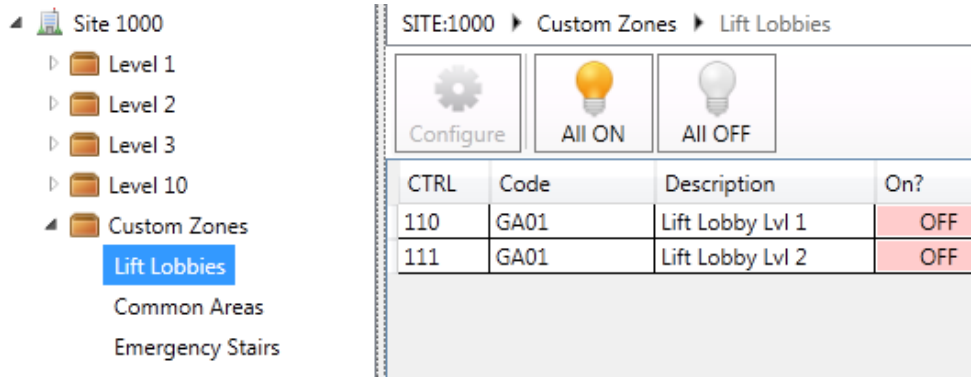
Unlike the Network-Mode view, it only displays groups from a single level with the ability to do a quick search by the group name.



CUSTOM ZONE IMPROVEMENT

A more flexible CustomZone

Instead of having CustomZone as a collection of controllers which share the same commonalities, CustomZone now can be configured as a selection of groups rather than controllers. This adds a greater flexibility when grouping groups from different controllers.



Broadcast command

DALIBuildings also add the capability to send command to a CustomZone, which will be translated into multiple commands to multiple controllers. Currently only ON/OFF commands are supported.

WEB SERVICE INTEROPERABILITY

DALIBuildings exposes web service functionality which enables interoperability with other system, such as StruxtureWare or any other system which understands XML web service.

This enables the web service consumer to:

- Retrieves up-to-date groups and points status
- Send DALI command via the network

DALIBuildings has its own web service server, so it does not depend on the installation of a separate web server. This means a simpler installation procedure.

ROBUST DATA STORAGE

DALIBuildings uses SQL Server as the database server. User can choose to download a specific DALIBuildings installer which will install an express edition of SQL Server 2008R2 (which gives us a huge storage of 10GB).

Using a database server gives DALIBuildings some advantage:

- Bigger size of database and better performance: since DALIBuildings are now acting as the data collection point for all DCBM controllers to report their up-to-date points and group statuses.
- Advanced data operations such as: security, automatic backup, encryption, failover, and so many more that SQL Server offers.
- Adds flexibility on integration and custom reporting: since SQL Server uses standard SQL queries, third party system or reporting engine can integrate easily to DALIBuildings database.

UPGRADING FROM BETA VERSION

MULTIPLE WINDOWS USER

Generally user does not need to uninstall DALIBuildings BETA before upgrading to the full version. However if DALIBuildings needs to run under multiple Windows account then user need to uninstall DALIBuildings BETA and the SQL Server 2008 R2 which was installed by the beta installer.

To proceed with the uninstallation of DALIBuildings BETA, please read and follow the accompanying document *DALIBuildings SQL Server System Administrator*.

LICENSE DONGLE

User must use a license dongle to run DALIBuildings. The BETA license no longer applies.

KNOWN ISSUES

DALIBuildings has the following known issues:

- Schedule Manager: currently scheduling a change to a Timer is not supported. Once this feature is enabled in the next release, user will be able to set a date and time for a Timer to be reconfigured automatically. This is useful for special occasions which require a once-off Timer change.
- TreeView does not auto-refresh when performing import from the TreeView's context menu.
  Workaround: please use the import feature from the toolbar (File > Import/Export) or simply restart the application.

We are actively working on a fix for this and will release an update as soon as possible.