



Basic / **Advanced** / Expert

Configuration Guide

CTC CTC2App Module

Using a NAC/SHAC to Send commands to iPad/iPhone



Safety Information

Important Information

Read these instructions carefully before trying to install, configure, or operate this software. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER	
DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.	

WARNING	
WARNING indicates a potentially hazardous situation which, if not avoided, can result in death or serious injury.	

CAUTION	
CAUTION indicates a potentially hazardous situation which, if not avoided, can result in minor or moderate injury.	

NOTICE	
NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.	

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Crowhurst Technical Consulting for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

WARNING	
HAZARD OF INCORRECT INFORMATION	
<p>Do not incorrectly configure the software, as this can lead to incorrect reports and/or data results.</p>	
<p>Do not base your maintenance or service actions solely on messages and information displayed by the software.</p>	
<p>Do not rely solely on software messages and reports to determine if the system is functioning correctly or meeting all applicable standards and requirements.</p>	
<p>Consider the implications of unanticipated transmission delays or failures of communications links.</p>	
Failure to follow these instructions can result in death, serious injury, or equipment damage.	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Crowhurst Technical Consulting (CTC) nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information that is contained herein. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

No part of this document may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission of CTC. All pertinent state, regional, and local safety regulations must be observed when installing and using this product.

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1 Introduction

This configuration guide describes the process of setting up a C-Bus Network Automation Controller (5500NAC) with the CTC2App module.

Competencies

This document is intended for readers who have been trained on 5500NAC products. The configuration should not be attempted by someone who is new to the installation of the C-Bus system or the 5500NAC.

2 Configuration

2.1 NAC/SHAC CTC2App Module

The NAC/SHAC CTC2App module supports the following functions:

Page - Changes the page displayed on the iPad/iPhone to the page requested

Play - Plays the required sound on the required iPad/iPhone

2.2 Importing CTC2App module into NAC/SHAC

This section describes the steps needed to setup 5500NAC using a web browser.

Uploading the script library onto 5500NAC/SHAC

- a) Log into the 5500NAC/SHAC configuration screen on the web browser.
- b) Click on the 'Configurator' button to log into the configuration screen.
- c) Click on the 'Scripting' tab, 'Tools' button and 'Restore scripts'.
- d) Select "Append keeping existing scripts" to prevent losing any existing scripts then, using the Choose File option, open 'CTC2App.tar.gz'

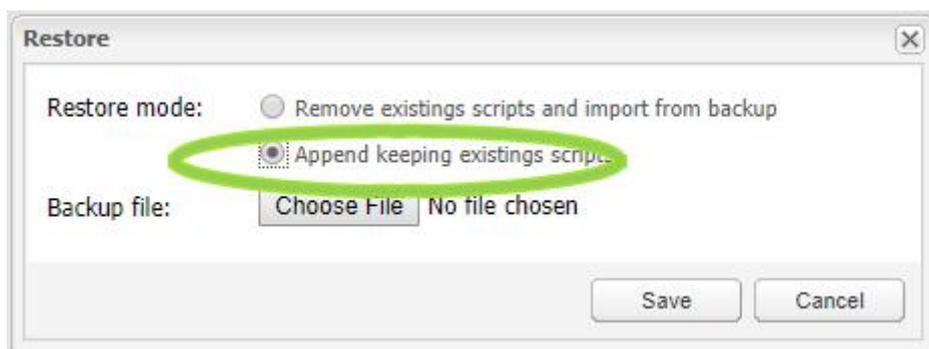


Figure 1: Restoring Script

- e) After the 5500NAC restarts, you will find under user library: user.CTC2.

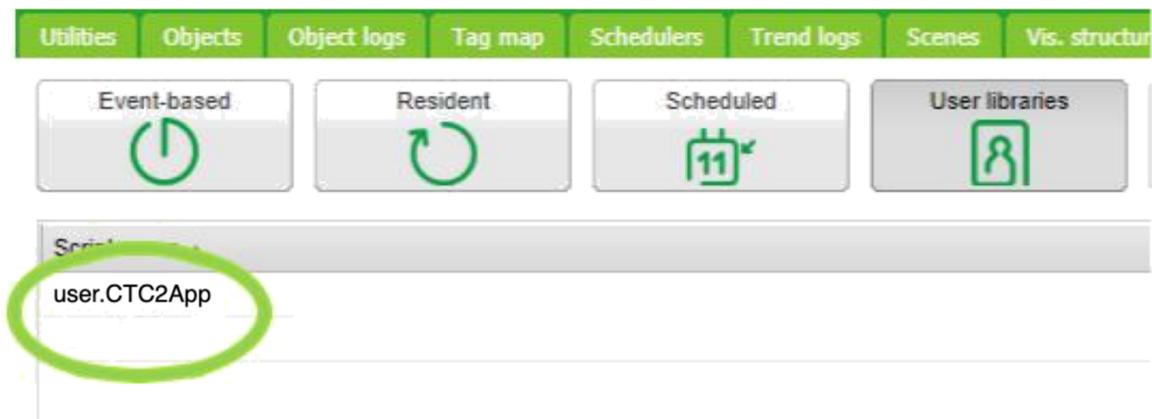


Figure 2: User libraries

This now should complete the importing process for the CTC2App module. The next part of this guide will show how to use the CTC2App Module.

3 Event Based Scripts

3.1 Event-based script examples

This Section give some examples scripts using CTC2App module is imported into the NAC or SHAC.

3.1.1 Page Command

In Scripts select Event-based , then select Add new Script.

Give the script a name e.g. Door Bell

Select a group to trigger the script

Select Active

Then Save.

Next to the name you gave the script on the right hand side click edit

Copy and paste into the window the following code :

```
require('user.CTC2App')  
value = event.getvalue()
```

```
if (value == 255) then
```

```
--SendToApp(iPad/iPhone IPAddress, Port No, command, value)
```

```
SendToApp("192.168.0.10", "51516", "page", "150")
```

```
end
```

```
-- **** Note ****
```

```
-- 192.168.0.10 should be changed to the IP address of your iPad/iPhone
```

```
-- 51516 is the port number set in the setting of the CTC-Wiser App change this to match the CTC-Wiser App
```

```
-- 150 should be changed to the page number you want the iPad/iPhone to change to when the command is sent
```

Now Save and close

3.1.1.1 Testing Page Command

On you iPad/iPhone in Settings CTC-Wiser, under the Server section make sure Server On is turned on, and the port matches the port set in your script

Make sure you have the CTC-Wiser App V2 running on you iPad/iPhone .

Now Set the group value you chose to trigger the script to 255.

The page on the iPad/iPhone should now change to the page set.

3.1.2 Play Command

In Scripts select Event-based , then select Add new Script.

Give the script a name e.g. Door Bell Play

Select a group to trigger the script

Select Active

Then Save.

Next to the name you gave the script on the right hand side click edit

Copy and paste into the window the following code :

```
require('user.CTC2App')
value = event.getvalue()
```

```
if (value == 255) then
```

```
--SendToApp(iPad/iPhone IPAddress, Port No, command, value)
```

```
SendToApp("192.168.0.10","51516","play","doorbell")
```

```
end
```

```
-- **** Note ****
```

```
-- 192.168.0.10 should be changed to the IP address of your iPad/iPhone
```

```
-- 51516 is the port number set in the setting of the CTC-Wiser App change this to match the CTC-Wiser App
```

```
-- doorbell this will set a doorbell sound to play
```

Now Save and close

3.1.2.1 Testing Play Command

On you iPad/iPhone in Settings CTC-Wiser, under the Server section make sure Server On is turned on, and the port matches the port set in your script

Make sure you have the CTC-Wiser App V2 running on you iPad/iPhone .

Now Set the group value you chose to trigger the script to 255.

The iPad/iPhone should now a door bell sound

4 CTC2App Function usage

CTC_Send_to_App("ipaddress","command","value")

	Acceptable			
Parameter	Types		Valid Input Range	Sample Value
ipaddress	String		IP 4 Address	192.168.0.10
port	String		Port set in CTC-Wiser App	51516
command	String		page	page
value	String		Page Number	150

Example CTC_send_to_app("192.168.0.10","51516","page","147")

CTC_Send_to_App("ipaddress","command","value")

	Acceptable			
Parameter	Types		Valid Input Range	Sample Value
ipaddress	String		IP 4 Address	192.168.0.10
port	String		Port set in CTC-Wiser App	51516
command	String		play	play
value	string		alarm click error emergency doorbell smoke stop	doorbell

Example CTC_send_to_app("192.168.0.10","51516","play","emergency")

**Note stop is used to stop a sound playing

Example CTC_send_to_app("192.168.0.10","51516","play","stop")

5 Conclusion

This configuration guide describes how the NAC/SHAC Application CTC2App script can be used and what options are available to the user when leveraging it. The provided examples show how the module can be used.

Crowhurst Technical Consulting

Contact info:

Tel : 0407007351

Email : laurence@crowhurst.com.au