



Using Google's Gmail with the MSNSwitch

Tech Note MSNTN003



Proxicast, LLC
312 Sunnyfield Drive
Suite 200
Glenshaw, PA 15116

1-877-77PROXI
1-877-777-7694
1-412-213-2477

Fax:
1-412-492-9386

E-Mail:
support@proxicast.com

Internet:
www.proxicast.com

© Copyright 2019-2024, Proxicast LLC. All rights reserved.

Proxicast is a registered trademark and EtherLINQ, PocketPORT and LAN-Cell are trademarks of Proxicast LLC. All other trademarks mentioned herein are the property of their respective owners.

Document Revision History:

Date	Comments
Jan. 11, 2024	Added model UIS-722b
Oct. 17, 2023	First release

This TechNote Applies Only to MSNSwitch Models:

UIS722b, UIS-622b

Introduction

The MSNSwitch from Mega System Technologies, Inc ("MegaTec") is designed to automatically power-cycle any AC powered device when Internet connectivity is lost. Either of its AC power outlets can also be reset manually or via scheduled actions.

The MSNSwitch has an internal event log which records various actions such as button presses, Internet loss and automatic outlet resets. These events can trigger an E-Mail to be sent to one or more users. In most instances, the E-Mail setup is straight-forward (see section 2) but when sending event logs through Google's Gmail service, additional configuration is required.

IMPORTANT NOTE

The Event Log E-Mail function is DISABLED by default and must be enabled via the MSNSwitch's internal web server. The E-Mail function cannot be enabled remotely via the ezDevice app or Cloud4UIS.com web service.

1. Configuring the MSNSwitch for Gmail

Sending Event Log E-Mails through Gmail requires that your Google account have 2-Step Verification enabled so that you can generate an authorized password that the MSNSwitch can use. This is now a requirement by Google - they no longer support the less secure simple password authentication. See:

<https://support.google.com/accounts/answer/6010255>

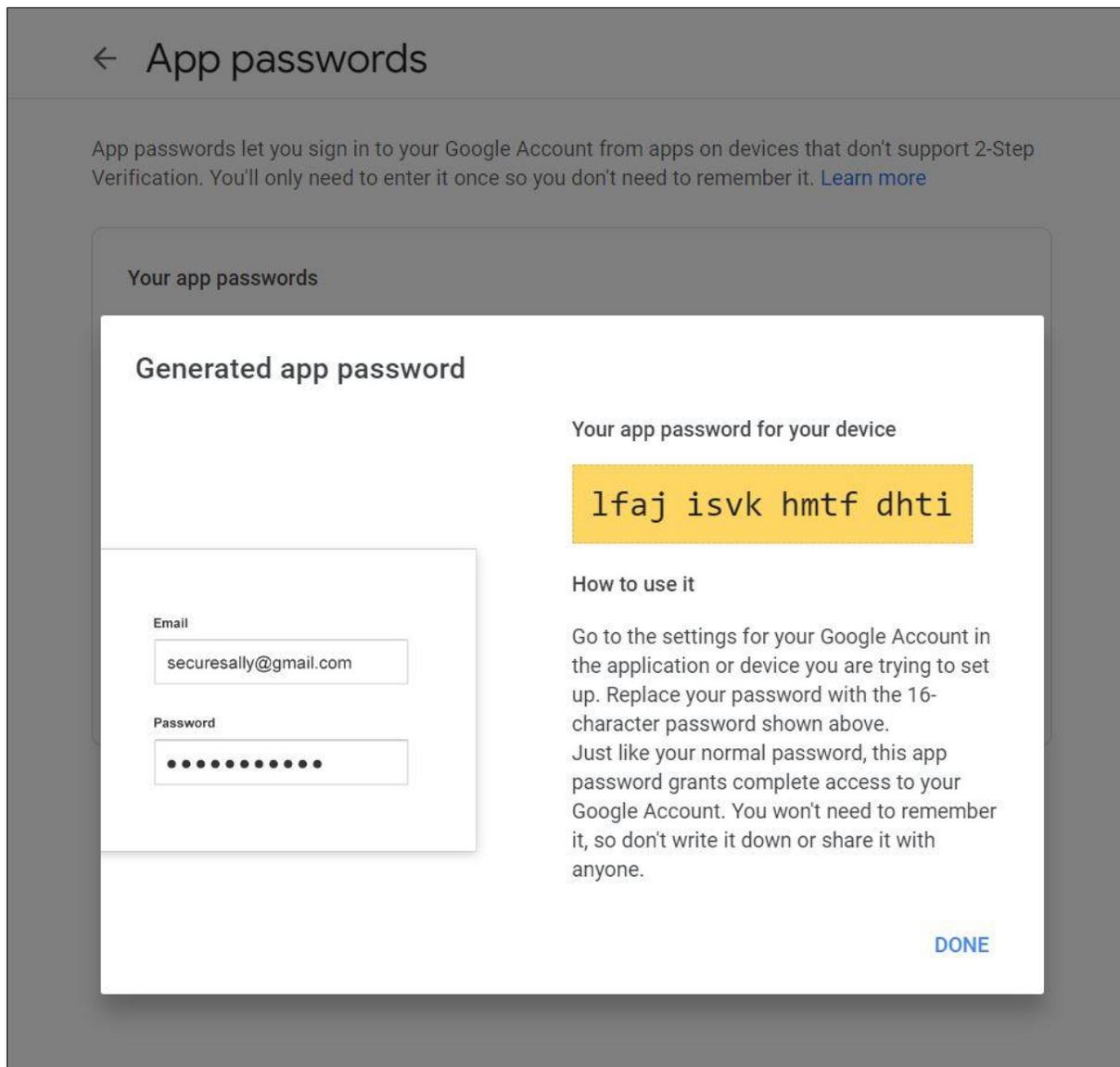
You can read more about 2-Step Verification here:

<https://support.google.com/accounts/answer/185839>

The process for creating the App Password in Google is described here:

<https://support.google.com/accounts/answer/185833>

You need to generate an App Password in your Google account. The result looks like this. Enter the 16-character value from the yellow box (no spaces) in the MSNSwitch's E-Mail Password field.



Here is how the MSNSwitch configuration page looks for a Gmail account.

The screenshot shows the MSNSwitch configuration interface. On the left is a navigation menu with sections: Information (Status), Configuration (Settings), Logs (Event Log), and Help (System Status, Save / Upgrade, Online FAQ, Logout). The main content area is titled 'E-mail Settings (help)' and contains the following fields:

- E-mail Notification:** A dropdown menu set to 'Enable' with a red arrow pointing to it.
- E-mail Server:** A text field containing 'smtp.gmail.com'.
- E-mail Port:** A text field containing '465'.
- Sender's E-mail Address:** A text field containing 'MSNSwitch-7769@gmail.com' with a red arrow pointing to it and a note: 'Can be any descriptive name but must end in @gmail.com'.
- User Name:** A text field containing 'my-account@gmail.com' with a red arrow pointing to it and a note: 'Gmail account that will log in to send the message'.
- Password:** A text field containing a masked password with a red arrow pointing to it and a note: 'App Password generated by Google's 2-Step Verification screen'.

Below these fields are buttons for 'Apply' and 'Reset'. There is also a 'Test E-mail' section with a 'Send a test E-mail' field and a 'Send Now' button. At the bottom, there is an 'E-mail Address Book' section with a text field containing 'event-recipient@proxicast.com' and a red arrow pointing to it with a note: 'E-Mail address to receive event emails (up to 10 addresses)'. There are 'Add', 'Event', and 'Delete' buttons associated with this section.

2. Configuring the MSNSwitch for generic SMTP E-Mail servers

Below is the meaning of the fields on the MSNSwitch's E-Mail screen:

E-mail Notification:

Send E-Mail notification for each Event Log entry. Disabled by default.

E-Mail Server:

The SMTP E-Mail server's name or IP address.

E-Mail Port:

The SMTP E-Mail server port. Default is 25. Check with your ISP for the correct port #.

Sender's E-mail Address:

The sender's E-Mail address. Can be any string but must be formatted as an E-Mail address.

User Name:

Sender's E-Mail user name or account. Used to authenticate the MSNSwitch with the SMTP server

Password:

Sender's E-Mail password.

E-Mail Address Book:

Notifications will be sent to these E-Mail addresses (max 10). You can filter which events are sent to each recipient using the Event button on the lower right.

Note: The system will auto detect if authentication is by SSL or Starttls.

###