HIRSCHMANN

A **BELDEN** BRAND

LinkManager Mobile™ User Guide

Applicable to LinkManager version 5.8
(build 14385 or later)

LinkManager^{TM}
Release 01 02/2016

Contents

1   Introduction

1.1   Prerequisites for This Guide

Prerequisites for this guide are:

- You have received an account for LinkManager Mobile, and the account has access to devices connected via a SiteManager.

- The SiteManager has agents configured that allow one or more of the following services: http or https. (You can of course access the Web GUI of the SiteManager itself via https, even if the SiteManager does not have any agents configured)

- You have a PC, MAC, iPad, iPhone or Android device with Internet access.

1.2 Overview: LinkManager versus LinkManager Mobile

The LinkManager Mobile differ from the traditional LinkManager in the following points:

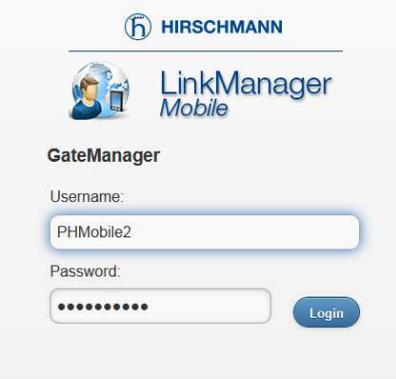|	LinkManager	LinkManager Mobile
License type	Floating	Single
VPN like access to SiteManager DEV network	Yes	No
Accessible device ports	All UDP/TCP ports	TCP 80,443,3389,5900
Device access via Serial port	Yes	No
Device access via USB port	Yes	No
Supported platforms (operating systems)	Windows 32/64 bit	Windows, OS X, iOS, Android
Required admin rights on platform	Administrator	Any user
Login security level	2 factor by x509 cert.	1 factor by password or 2 factor by SMS code

2 Login

You should have received an email with your account information from the GateManager. The email will indicate if you should use password only, or if your password is combined with an SMS code. Note that SMS code requires that your GateManager or the domain on the GateManager has been enabled for SMS.

The email will look like this:

Hello Rose Andersen↵
↵
This mail is a notification that the Link Manager Mobile account "PHMoblie2" has been created for login to the Hirschmann GateManager server.↵
The password associated with the account is: whkqxj0124↵
↵
Follow this link to the LinkManager Mobile login screen: https://gatemanager.hirschmann.com (or alternatively: https://193.242.155.140).↵
↵
(It is recommended to bookmark this page in your browser)↵
↵
In the Login screen type your username " PHMoblie2 " and the password.↵
↵
↵
LinkManager Mobile has been verified to work with iPhone, iPad, and Android smart phones, as well as Internet Explorer 8, Google Chrome, Apple Safari, and Mozilla Firefox.↵
↵
Please ensure that your browser is up-to-date and has JavaScript and TLS 1.0 enabled if you have problems connecting.↵
↵
↵

You will receive the password in an SMS, or if the GateManager is not SMS enabled, you will receive the password for your account verbally or in a separate mail from the GateManager administrator.

Click the link in the email and your default web browser will open. It is a good idea to bookmark this link for future use. The login screen will look like this:

If your account has been enabled for two factor secured login, you will get the following additional screen. The SMS code will arrive to the cell phone as a flash SMS:
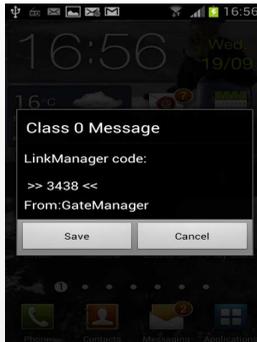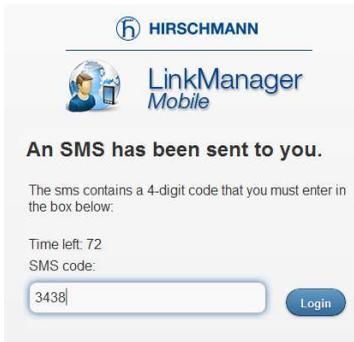
When logged in, you will get a list of all domains and equipment that you have access to:

As default the LinkManager Mobile will show online devices, but you can also choose to show offline devices.

Selecting Flagged will show only the devices that have been registered offline and have become online again. This can be used to determine instability that may need to be followed up.

3 Status Monitoring (does not require a license)

Even without a LinkManager Mobile licenses associated with your account, you can monitor status of both SiteManagers and devices that are represented by a device Node on the SiteManager.

A SiteManager is always listed with a black background, and devices located in the same domain as the SiteManager is listed with a grey background, while devices placed in a different domain than the SiteManager will be listed with a yellow background:
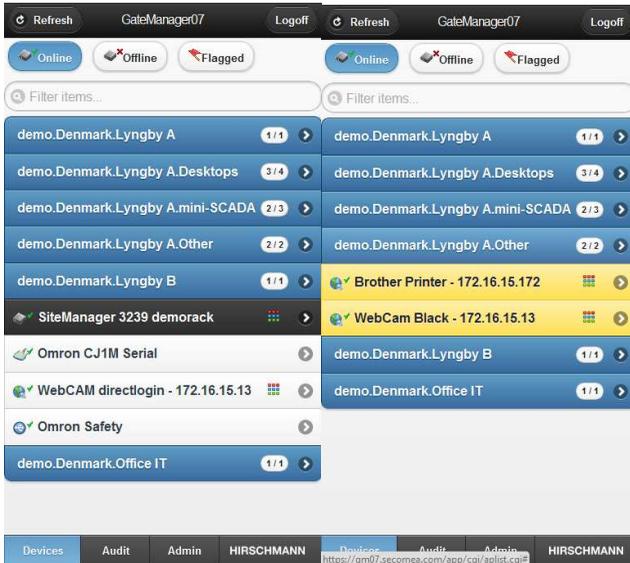
You can click on any device to obtain additional information on its status as well as audit logging on the device.

LinkManager™
Release 01 02/2016

Left panel:

◀ Back   WebCAM directlogin ...

🌐 WWW   💻 RDP   💻 VNC

|	
Name:	WebCAM directlogin (SiteManager 3239 demorack) - 172.16.15.13
Product:	Http agent
Serial:	00C0A20008F4#69
Created:	2012-09-07 17:22
Source IP:	172.16.15.1
Firmware:	agent:v09_http_12382
Last heartbeat:	2012-09-19 17:26:29
Next:	17:35:54
Device Address:	172.16.15.13:80
Address on LinkManager:	172.16.15.13
Uptime:	1 day 6 hours 9 minutes
Rxb:	13400
Txb:	61332
Rxp:	15
Txp:	42
Conn:	15

Devices   Audit   Admin   **HIRSCHMANN**

Right panel:

◀ Back   WebCAM directlo…

🔍 Filter items...

2012-09-19 17:32:12 - - Peter Hansen - Go To Appliance - - Url: http://172.16.15.188:57769/

2012-09-19 17:26:11 - - Peter Hansen - Go To Appliance - - Url: http://172.16.15.188:57769/

2012-09-17 12:15:08 - - ▓▓▓▓ ▓▓▓▓ - Go To Appliance - - Url: http://gm07.secomea.com:59626/

2012-09-10 08:33:03 - - Michael Ferdinandsen - Go To Appliance - - Url: http://172.16.15.188:58010/

2012-09-07 20:49:00 - - Michael Ferdinandsen - Go To Appliance - - Url: http://gm07.secomea.com:57980/

2012-09-07 20:00:00 - - Peter Hansen - Go To Appliance - - Url: http://gm07.secomea.com:58941/

2012-09-07 19:27:16 - - Michael Ferdinandsen - Go To Appliance - - Url: http://gm07.secomea.com:57586/

2012-09-07 17:22:51 - - - Attach appliance - -

Devices   Audit   Admin   **HIRSCHMANN**

When operating LinkManager Mobile without a License associated, you will not be able to connect to a Web enabled device. Attempting to do so will inform you that a License is required for this feature.
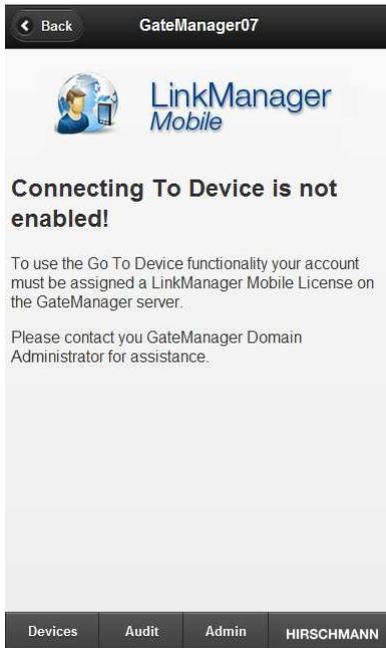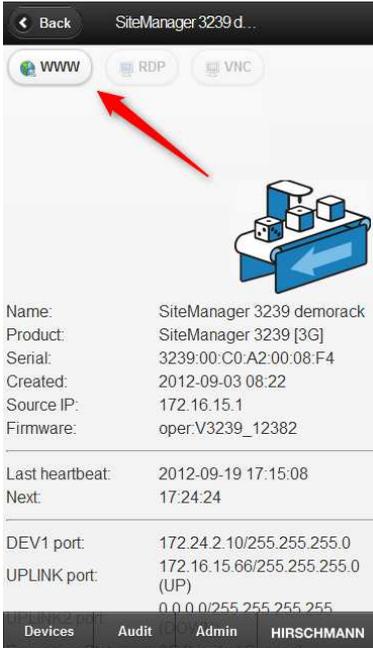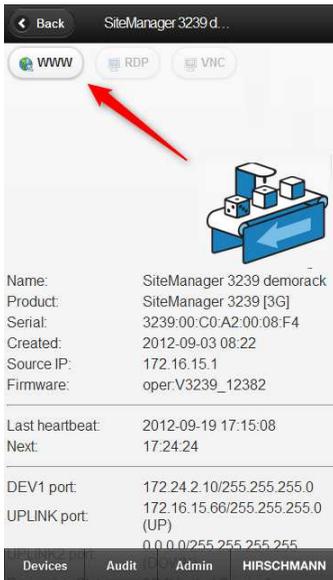
NOTE: Associating a license to your LinkManager Mobile account is done by the GateManager administrator by applying a license to your GateManager domain, and subsequently check marking the license for your account:
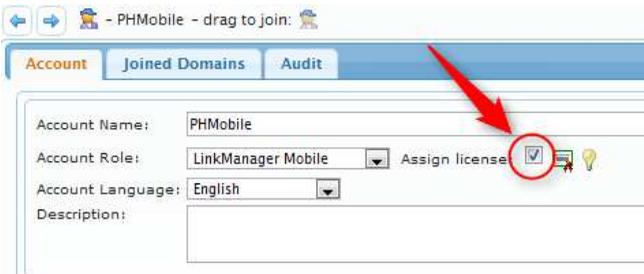
4   Connect to Web enabled devices

Devices that are marked with 🎯 means that you can connect to them from LinkManager mobile.

If for instance selecting the SiteManager, you will get this screen, where you will notice that the WWW button becomes available. Click it to connect to the device.

If your LinkManager account has a license associated, your browser will open and show the Web GUI of the device via http or https:

SETUP • GateManager

Abc

Hirschmann SiteManager Embedd

1. **GateManager:** 193.242.155.140   Con

2. **Device Agents:** 2 up

3. **Chat / Scratchpad:** Empty

You can open the Setup Assistant at any ti

Note: If you click on `HELP` **it shows specif**

Please consult the online help as yc

SIEMENS   mall   simatic-controller   service&support

ENTER ▶

SIMATIC S7-1200

LinkManager™
Release 01 02/2016

The connection is maintained until you close the web browser, or you connect with LinkManager Mobile to another device.

5 Appendix A: Further Support

■ Technical Questions

For technical questions, please contact any Hirschmann dealer in your area or Hirschmann directly.
You will find the addresses of our partners on the Internet at
http://www.hirschmann.com
Contact our support at
https://hirschmann-support.belden.eu.com

You can contact us in the EMEA region at
► Tel.: +49 (0)1805 14-1538
► E-mail: hac.support@belden.com

in the America region at
► Tel.: +1 (717) 217-2270
► E-mail: inet-support@belden.com

in the Asia-Pacific region at
► Tel.: +65 68549860
► E-mail: inet-ap@belden.com

■ Hirschmann Competence Center

The Hirschmann Competence Center is ahead of its competitors:
► Consulting incorporates comprehensive technical advice, from system evaluation through network planning to project planning.
► Training offers you an introduction to the basics, product briefing and user training with certification.
► The current training courses for technology and products can be found at http://www.hicomcenter.com
► Support ranges from the first installation through the standby service to maintenance concepts.

With the Hirschmann Competence Center, you have decided against making any compromises. Our client-customized package leaves you free to choose the service components you want to use.
Internet: http://www.hicomcenter.com

6   Appendix B: Third-Party Software

The software solution uses open source software originated from third parties that is subject to their respective licenses.

Firmware/Software for SiteManager, LinkManager and GateManager

(NOTE: The list below represents a common denominator for all product categories. Each of the products contains only a subset of these software components)

Linux	http://www.kernel.org
Apache httpd	http://httpd.apache.org
OpenSSL	http://www.openssl.org
mod_ssl	http://www.modssl.org
axTLS (originating from BSD)	http://axtls.sourceforge.net
busybox	http://www.busybox.net
tinylogin	http://tinylogin.busybox.net
ISC DHCP	http://www.isc.org/software/dhcp
DNRD	http://dnrd.sourceforge.net/
ethtool	http://freshmeat.net/projects/ethtool
expat	http://expat.sourceforge.net
FreeS/WAN	http://www.freeswan.org
hping	http://www.hping.org
hwclock	http://freshmeat.net/projects/hwclock
iproute2	http://www.linuxfoundation.org/collaborate/workgroups/networking/iproute2
traceroute	http://www.linuxfoundation.org/collaborate/workgroups/networking/traceroute
bridge-utils	http://www.linuxfoundation.org/collaborate/workgroups/networking/bridge
vconfig	http://www.candelatech.com/~greear/vlan.html
iptables	– http://www.netfilter.org
OSSP mm	http://www.ossp.org/pkg/lib/mm
Net-SNMP	http://net-snmp.sourceforge.net
ntpdate	http://www.eecis.udel.edu/~mills/ntp/html/index.html
pppd	http://freshmeat.net/projects/pppd
RP-PPPoE	http://www.roaringpenguin.com/products/pppoe
e2compr	http://e2compr.sourceforge.net
lilo	http://freshmeat.net/projects/lilo
U-Boot	http://www.denx.de/wiki/U-Boot
lm_sensors	http://www.lm-sensors.org
pcmcia_cs	http://pcmcia-cs.sourceforge.net

ez-ipupdate	http://ez-ipupdate.com
Open1X	http://open1x.sourceforge.net
FreeRADIUS	http://freeradius.org
ser2net	http://sourceforge.net/projects/ser2net
Squid	http://www.squid-cache.org
glibc	http://www.gnu.org/software/libc
libGD	http://www.libgd.org
uClibc	http://www.uclibc.org
SquashFS	http://squashfs.sourceforge.net
UnionFS	http://www.fsl.cs.sunysb.edu/project-unionfs.html
VirtualBox	http://www.virtualbox.org
SDL	http://www.libsdl.org
com0com	http://com0com.sourceforge.net
gSOAP	http://gsoap2.sourceforge.net
NSIS	http://nsis.sourceforge.net
AES crypto routines	http://www.gladman.me.uk/
Cntlm	http://cntlm.sourceforge.net/
wcecompat (SM-E for WinCE only)	http://wcecompat.sourceforge.net