

ML01065



YSoft SafeQ® Terminal UltraLight

User's Guide

Version 1.6

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1 INTRODUCTION

1.1 PURPOSE OF DOCUMENT

This documentation provides essential information on usage of **YSoft SafeQ® Terminal UltraLight**. It covers both YSoft SafeQ® Terminal UltraLight Print & Copy and YSoft SafeQ® Terminal UltraLight Print Only versions.

1.2 GOALS AND OBJECTIVES

The YSoft SafeQ® Terminal UltraLight is a low-price version of Terminal Professional. It is realized in form of an external hardware device. YSoft SafeQ® Terminal UltraLight has no display available; therefore user interaction is limited to status leds, keyboard and beep sequences.

1.3 TERMS AND ABBREVIATIONS

Terminal UltraLight

YSoft SafeQ® Terminal UltraLight

MFD

Multi-Functional Device

1.4 DISCLAIMER

The user that makes changes or modifications not expressly approved by the party responsible for compliance (Y Soft s.r.o.) could void the user's authority to operate the equipment.

2 TERMINAL ULTRALIGHT OVERVIEW

The purpose of Terminal UltraLight is to provide user interface when interacting with printer and copier. The key function of the terminal is to handle user authentication and authorization to the device and the user interface for job queue management.

As already mentioned the Terminal UltraLight is produced in two versions:

- YSOFT SAFEQ® TERMINAL ULTRALIGHT PRINT & COPY
- YSOFT SAFEQ® TERMINAL ULTRALIGHT PRINT ONLY



Picture 1 - YSoft SafeQ Terminal UltraLight Print & Copy



Picture 2 - YSoft SafeQ Terminal UltraLight Print Only

User authentication is possible with card or pin or any combination.

Only selected card readers are supported by Terminal UltraLight.

The Terminal UltraLight is displayed on the Picture 3. It consist of *keyboard, print and copy button and status leds*. For more details on leds refer to chapter 4.



Picture 3 - YSQ Terminal UltraLight

2.1 KEYBOARD USAGE

Capacitive touch keyboard utilized in the Terminal UltraLight is the latest technology providing better reliability and endurance than standard micro switch or membrane keyboards. Each key press is signalized by a short beep (if beeps are enabled and use of given key is applicable at the moment).

There are some recommendations for using keyboard:

- Use fingerpads instead of fingertips. Fingerpads cover larger area and are much better detected than fingertips.
- Using of force is irrelevant, it is absolutely enough to gently place the finger on the keyboard.
- The keyboard will not work when touched by non-conductive materials or materials with very small capacitance. Such materials include nails, plastic, styluses, pens, screwdrivers etc.

- The keyboard will not work when wearing gloves. Some exceptions to this may however apply to latex gloves used in medicine or food industry.

3 BASIC FEATURES

This Chapter provides the complete feature set of the Terminal UltraLight in connection with YSoft SafeQ® PCAS.

3.1 USER AUTHENTICATION

- **User authentication using PIN**
- **User authentication using card**
- **User authentication using any PIN and card combination**

Terminal provides one of the following leds combinations:



- to place card or enter PIN



- to enter PIN when authentication "Card and PIN" used

- **Card assignment to the user based on the PUK code**

1. Terminal provides following leds combination for requesting to place a card:



2. When user uses an unknown card (not assigned to any user), the terminal requests for entering a PUK code:



3. User is informed about result of card assignment:

- a. User entered valid PUK code and card has been assigned to the user. User is automatically logged in and can print or copy.



- b. User entered invalid PUK code – leds animation and beep codes during animation



3.2 USER INTERFACE

- **All waiting jobs can be printed immediately just after authorization**
- **Option to print all waiting print jobs**

3.3 ADMINISTRATION

- **Network auto detection (DHCP)**

3.4 OPERATING ENVIRONMENT

- **Support for online accounting**
- **Support for batch accounting**
- **Support for follow-me feature**
- **Support for cluster fail-over**

4 STATUS OF TERMINAL ULTRALIGHT

As already mentioned the Terminal UltraLight contains status leds that serve for interaction with user. This chapter provides list of beep and flash code sequences as well as their meanings.

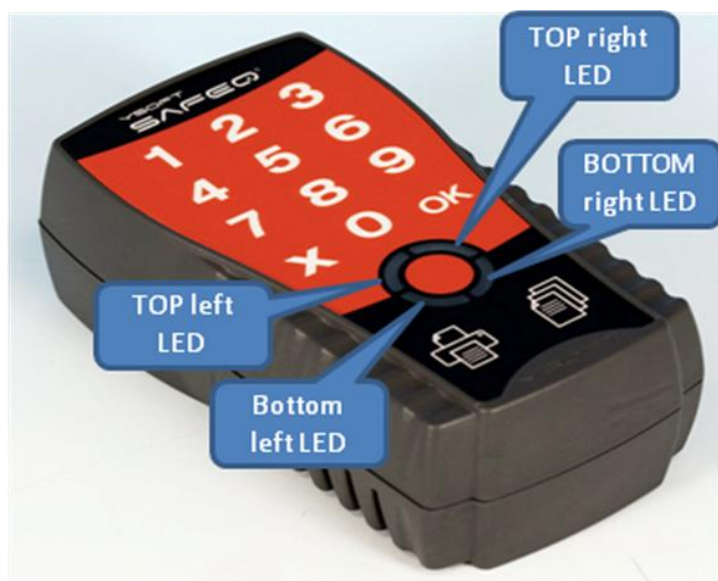
4.1 TERMINAL ULTRALIGHT FLASH CODE SEQUENCES

This section provides flash code sequences used for interaction with a user.


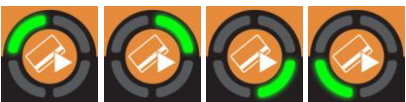
There are following colors used for icons:

- Green - Led is green
- Red - Led is red
- Orange - Led is orange
- Grey - Led is off

The position of particular leds illustrates Picture 4.



Picture 4 - Status leds

	<p><i>All leds are switched off.</i></p> <p>Terminal power is off.</p>
	<p><i>*animated*</i></p> <p><i>Terminal is processing, please wait.</i></p>

	<p><i>Place card or enter pin.</i></p>
	<p><i>Enter pin when authentication "Card and PIN" used.</i></p>
	<p><i>Enter PUK when PUKs are enabled on server.</i></p>
	<p><i>Some print jobs available and copying possible. Select (P)rint or (C)opy.</i></p> <p><i>Valid only for YSoft SafeQ® Terminal UltraLight Print & Copy.</i></p>
	<p>No print jobs available in the queue. Copying is possible (select (C)opy).</p> <p><i>Valid only for YSoft SafeQ® Terminal UltraLight Print & Copy.</i></p>
	<p><i>*flashing*</i></p> <p><i>Copying in progress. Cancel by pressing (C), (X) or (OK) or by placing a card.</i></p> <p><i>Valid only for YSoft SafeQ® Terminal UltraLight Print & Copy.</i></p>
	<p><i>*flashing*</i></p> <p><i>Copying in progress. Server issued a warning, see MFP display for more details.</i></p> <p><i>Valid only for YSoft SafeQ® Terminal UltraLight Print & Copy.</i></p>
	<p><i>*flashing*</i></p> <p><i>Printing in progress, please wait until it is finished.</i></p>



	<p><i>*flashing*</i></p> <p><i>Printing in progress. Server issued a warning, see MFP display for more details.</i></p>
	<p><i>*changing*</i></p> <p><i>Animation when user enters a pin on the keyboard.</i></p>

Table No. 1 - Flash code sequences

For more Terminal UltraLight flash sequences refer to 1.

4.2 TERMINAL BEEP CODE SEQUENCES

- Card read error. Please try placing the card again or use the different card.
- .- Terminal validation failed. Server reports that the terminal is not registered on SafeQ. Please consult administrator manual.
- No print job waiting in queue.
- ..- User quota has exceeded.
- .- User validation failed. User entered either invalid pin or user card is not registered in the system.
- .-- Received error or warning message from server.
- Connection to SafeQ server failed.

For more Terminal UltraLight beep sequences refer to 1.

5 CONCLUSION

In this document you got acquainted with the basic functions of Ysoft SafeQ® Terminal UltraLight. You can find more information about other processes, configurations and possibilities in the Administrator's guide which you can download along with other newest manuals on the Partner's Portal.

Partner's Portal web page: <http://partners.ysoft.com/>

6 RELATIONSHIP WITH OTHER DOCUMENTS

This section describes how this guide is related to other documentation:

Nr.	Document	Version	Author
1.	YSQ Terminal UltraLight – Administrator’s Guide [EN]	1.6	PNE
2.			
3.			
4.			
5.			
6.			
7.			

7 VERSION HISTORY

Document author/owner: Petr Neugebauer <petr.neugebauer@ysoft.com>

Version	Date	Change	Status	Author
0.1	06/2009	Initial version	Final	PNE
1.0	06/2009	Chapter 2.4 added	Final	PNE
1.1	06/2009	Added icons for flash sequences	Final	PNE
1.2	06/2009	Added keyboard overviews for Print & Copy and Print Only editions	Final	PNE
1.3	07/2009	Update of Administration issues	Final	PNE
1.4	09/2009	Chapter 1.4 (disclaimer added)	Final	PNE
1.5	11/2009	Chapter 3.1 (details on PUK functionality added)	Final	PNE
1.6	02/2010	Minor changes in flash code sequences	Final	PNE

FCC statements:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.