About the Scribe 2.0

The Scribe 2.0 is a stand-alone appliance that facilitates the duplication of custom cartridges for patrons.

The Scribe 2.0 contains onboard computing and storage, along with 18 cartridge duplication slots, in a compact case. Two LED strips provide status information about each duplication slot, and purpose-built trays are attached to each side to organize mail cards and mailing cases. The Scribe comes pre-configured, and only needs to be provided power, an internet connection, and the included, hand-held barcode scanner.

The Scribe 2.0 communicates with KLAS in real time to access and update order information, and contains a large hard drive containing the full BARD collection (which is maintained automatically overnight) plus local titles.

The entire Scribe workflow has been carefully calibrated to allow for easy, fast, efficient, and accurate circulation, while reducing training time by making use of KLAS functions with which library staff are already familiar.

The Scribe features a **Check-In Mode**, which simply checks in cartridges, and a **Duplication Mode** which will check-in and clear cartridges, load a new set of books or other recorded titles, and check out the cartridge and included titles. The Scribe also has a **Walk-In Mode**, allowing cartridges to be automatically refilled (along with check-in and check-out) for their current patron, facilitating quick and easy walk-in service.

In all modes, the LED light strips show the status of each cartridge slot, and a web app is available to review more detailed status information or troubleshoot errors from anywhere, using any computer or mobile device.

Scribe Fact Sheet

Included Components	• Compact "Scribe 2.0" all-in-one appliance • Mailing card organizer shelves • Scanner
Appliance Details	• Custom built unit with 18 cartridge slots • Headless appliance (i.e. no monitor or other peripherals needed)
Power Supply	• Auto-switching 100-240Vac, 50-60Hz CE TÜV Rheinland UKCA 10
Operating System	• Ubuntu Server 22.04 LTS
Internal Storage	• 18TB HDD for storage of duplication titles • 8 GB of DDR4 RAM
Connection Details	• Ethernet connection (wireless available but not preferred) • Uses https on the standard port 443 • Comes with OpenVPN set up for remote Keystone support and software updates
File Retrieval	New titles downloaded overnight from Keystone's online repository or from your own http or https connected file storage
Scanner Details	• Used to change modes and to scan orders for duplication • Hand-held scanner with trigger
Warranty	• 2-year warranty on the Scribe 2.0 appliance
Support	Keystone staff provide Scribe troubleshooting and support services. Software updates are automatic.
Price	• Scribe 2.0 with scanner and shelves = $1,900 For libraries with KLAS

Network Prerequisites

In most situations, the Scribe will work out-of-the-box. However, if traffic over your network is filtered some additional configuration may be required.

For the Scribe to operate properly the prerequisites below must be met. Upon request, Keystone can provide assistance with this assessment.

1. The network connection must be open to the following locations and ports:

    a. books.klas.com (electronic file storage for download of newly available titles)
       - 147.135.7.162 : 443/TCP

    b. deploy.klas.com (update distribution server)
       - 3.17.197.156 : 443/TCP
       - 3.17.197.156 : 1194/UDP

    c. the KLAS database server (library automation software, provides the information for orders to be placed on the cartridges)
       - Self-hosted customers will have a unique address
       - KLAS hosted customers can contact us for the server address

2. The network must also be able to access these Ubuntu update endpoints for OS security updates:

    a. us.archive.ubuntu.com
    b. security.ubuntu.com
    c. extras.ubuntu.com
    d. ppa.launchpad.net

    Note: these IP addresses change, so IP filtering to these addresses is *not* recommended.