Livescribe Workshop

Presented by CATS

Table of Contents

What is a livescribe Smartpen?

A Livescribe Pen is an Assistive Technology tool which allows students to record classroom audio and sync it with written notes. The pen is beneficial for students who have a hard time understanding the material and need to review it at their own pace. This includes students with disabilities such as ADD, learning disabilities, or students who don't have a means of writing their own notes. The pen has many capabilities, but like any tool, it serves a specific purpose and shouldn't be relied on as a "do-it-all" piece of technology.   It is always important to remember that every student is different and assessing what works for a student and what doesn't is essential.
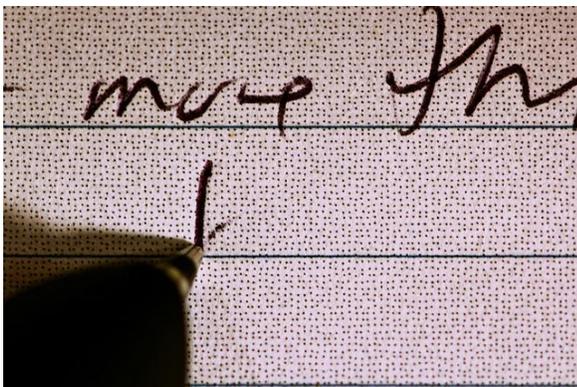
Dot Paper

Figure 1. Zoomed view of dot paper

The livescribe pen works in conjunction with a "Dot paper" which is special paper with tiny printed dots which help map audio with anything written. **Dot paper can be printed for free** using a color laser printer that is Adobe PostScript compatible and can print 600dpi or higher. **A Single subject 80-page book averages about $4.50 to $5.00 dollars**.

Pencast

The notes can then be uploaded onto a computer or onto a mobile device (depending on the model) and be disturbed as a pdf file called a pencast. A pencast is a digital recording of the notes that plays back every single pen stroke and audio the exact way the smartpen captured it while in use.

Livescribe Echo

How it works?

The Livescribe Echo Smartpen can be considered the desktop only model. The 2GB Echo smartpen is designed to be connected to a **PC** or **Mac** computer with notes and audio available via **Livescribe Desktop**. This model is the simplest of the three pens to set-up and tends to be the go-to model for the majority of students also, this is the model used by our note-takers. Below is a testimonial from one of our students who was recommended the pen after coming to us about difficulties with her note taking abilities.

> **"After using the Livescribe Echo I found going over my notes while studying was much more easier and I was able to pick up on things that I would normally miss" – Student**

Pros & Cons

Pros	Cons
Comfortable Grip makes writing easier.	Feedback noise while writing.
Does not require a computer to work. Users can simply use just the Smartpen & Notebook.	Must sync notes to a computer in order to view digital versions of notes.
App library has tons of useful tools ranging from dictionaries to translators.	Requires third-party software to OCR notes (Myscript)

Livescribe Echo Diagram

HARDWARE

Product Design
Sleek ergonomic (Anti-Roll) design

Battery
Rechargeable lithium (non-removable)
  -12 hours (no audio)
  -6 hours (with audio)

Charging
Connects to your computer with micro-USB cable

Camera
High speed infrared camera

Record
Smartpen embedded microphone - mono recording
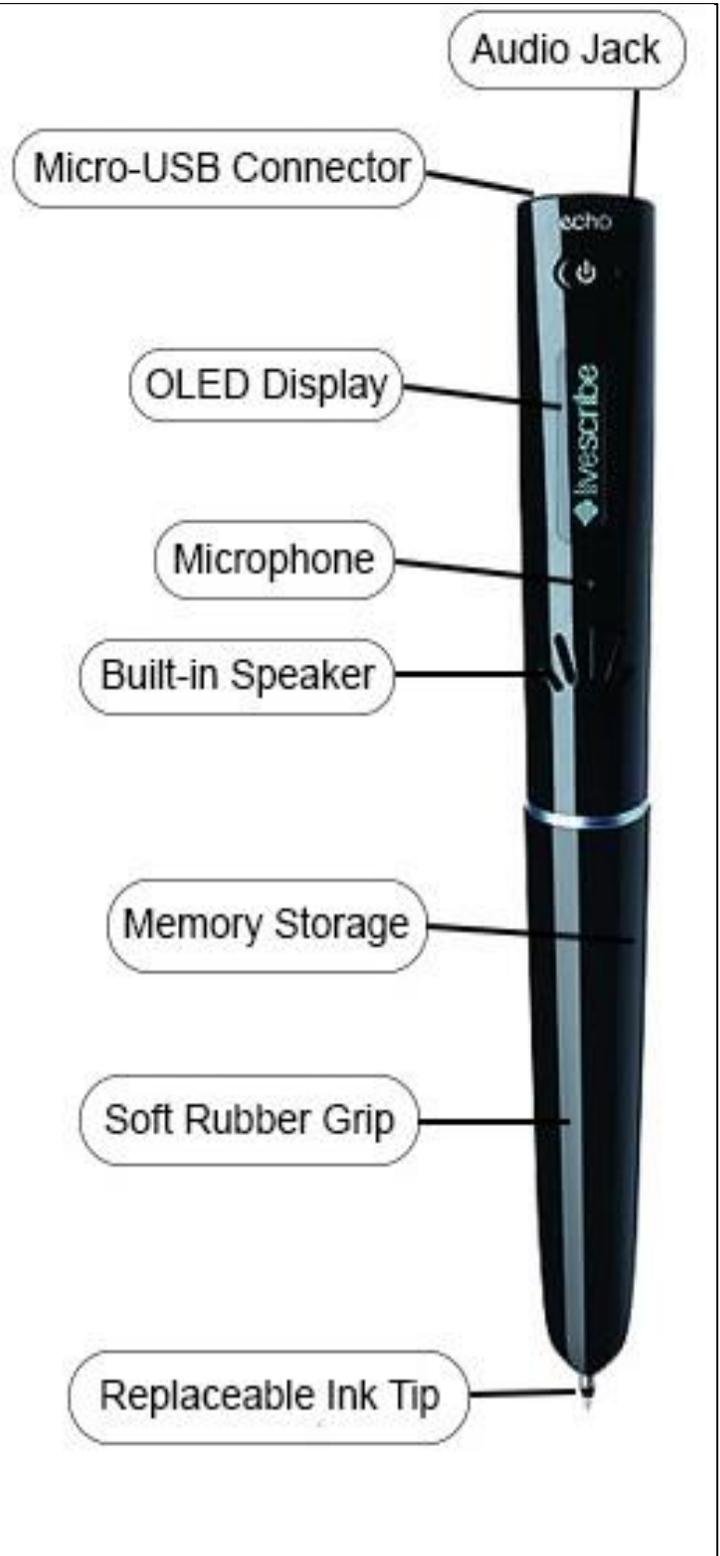
Memory
2GB - (200 hours recording time)
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 MAC SYSTEM REQUIREMENTS
• Mac OS® X version 10.8 or later
• 300 MB of available disk space
• An available USB 2.0 port
• An internet connection
_____
WINDOWS® SYSTEM REQUIREMENTS
• Windows 7, Windows 8, or later
• 300 MB of available disk space
• An available USB 2.0 port
• An internet connection
_____
Price: $119.95

Audio Jack

Micro-USB Connector

OLED Display

Microphone

Built-in Speaker

Memory Storage

Soft Rubber Grip

Replaceable Ink Tip

Sky Wi-Fi

How it works?

The Sky Wi-Fi utilizes Evernote to store notes and audio in the cloud. The WiFi smartpen is ideal for students who want notes to be available for use across multiple devices and platforms. Students who are forgetful seem to benefit the most from the Sky Wi-Fi ability to sync notes. For example, if a student misplaces their pen after taking notes as long as they synced there notes during or right after class their notes will be available across all their platforms via Evernote, Dropbox and/or GoogleDrive.

Pros & Cons

Pros	Cons
Light weight and Discreet.	Shortest battery life of the 3 pens when Wi-Fi is turned on.
Notes can be synced to multiple devices while on the go.	Sync feature sometimes takes a minute or two to work.
App library has tons of useful tools ranging from dictionaries to translators.	To use all the features of the Sky Wi-Fi smartpen you must have access to wireless Internet.

Sky Wi-Fi Specs

HARDWARE
Product Design
 Sleek ergonomic (Anti-Roll) design

Battery
 Rechargeable lithium (non-removable)
- **10 hours** when Wi-Fi is turn off.
- **4 hours** with Wi-Fi turned on.
Charging
Connects to your computer with micro-USB cable

Camera
High speed infrared camera

Memory
2GB (200 hours recording time)
4GB (400 hours recording time)
8GB (800 hours recording time)
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SYSTEM REQUIREMENTS
• Access to a 2.4GHz WiFi network
 (802.11 b/g/n)
• Web browser supporting HTML5
• Livescribe dot paper
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SYSTEM RECOMMENDATIONS
Windows XP with **SP3**, **Windows Vista**,
 Windows 7, **Windows 8**, **Mac OSX 10.6** or later.
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Price
2GB Model: $169.95
4GB Model: $199.95
8GB Model: $249.95

Audio Jack
Micro-USB Connector
OLED Display
WiFi
Microphone
Built-in Speaker
Memory Storage
Soft Touch Grip
Replaceable Ink Tip

Livescribe 3

How it works

The Livescribe 3 smartpen has been introduced as a mobile companion for Apple devices that are both Bluetooth Smart compatible and operate on iOS7 or higher. This model is ideal for any student who is a reasonably heavy user of the iPad or their iPhone. The mobile device takes over some of the functionality found on the Echo and Wi-Fi smartpens with the free **Livescribe+** app providing additional capabilities in terms of what can be done with notes.

Pros & Cons

Pros	Cons
Longest battery life of the 3 models at 14 hours of continuous use between charges.	iCloud is used as the transport layer iCloud doesn't have a great reputation for reliability.
No feedback noise while writing.	Requires a separate device to work.
Has the Ability to OCR (Optical Character Recognition) and edit notes	(Currently) only works with newer Apple Devices.
Pictures can be added to pages for more detailed notes.	Some bugs when using Livescribe+ app.

Livescribe 3 Specs

HARDWARE

Connectivity
 Bluetooth Smart (Bluetooth 4.0)

Battery
 Rechargeable lithium (**14 hours**)
 (non-removable)

Charging
Connects to your computer with
micro-USB cable

Processor
ARM 9

Camera
High speed infrared camera
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SYSTEM REQUIREMENTS
 • A Bluetooth® Smart Ready mobile
device running iOS 7: iPhone®
4S (or newer), iPad® 3rd generation (or
newer),
iPad mini (or newer),or iPod touch®
5th generation (or newer)
 • Livescribe Dot Paper

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Price
Regular Edition: $149.95
Pro Edition: $199.95

Integrated stylus covers
the micro-USB port

LED status light

Bluetooth®
SMART

On/Off twist ring

Retractable
Tungsten-Carbide
Medium Ballpoint

Applications

Name	Description
Livescribe+	Livescribe+ is the new platform that works with the Livescribe 3 pen. Currently Livescribe + is only available on the **Apple iOS devices.** **Website:** **https://itunes.apple.com/us/app/livescribe+/id718731977?ls=1&mt=8**
Livescribe Desktop	The livescribe Desktop is the platform used by the Livescribe Echo Smartpen. Through this program, users are able to sync notes, create and share pencast. Livescribe plans on releasing a different software to take the place of the Livescribe Desktop call **Echo Desktop** in 2015. Website: **http://www.livescribe.com/en-us/support/echo/setup/**
Dropbox	Dropbox is a popular cloud storage platform that allows students to save notes and have access to them wherever they go as long as they have access to an internet connection. - 2GB free storage Website: **https://www.dropbox.com/**
GoogleDrive	Google Drive is a cloud storage service that allows you to store your documents, photos, videos, and more online. From Drive, you can also use Google Docs, Google Sheets, and other applications to create and edit various types of files. -15GB free storage Website: **https://drive.google.com/**
Evernote	Evernote is a suite of software and services, designed for note-taking and archiving. A "note" can be a piece of formatted text, a full webpage or webpage excerpt, a photograph, a voice memo, or a handwritten "ink" note. Notes can also have file attachments. Free sign up | $5/ month for premium | $10 month for business set-up Website: **https://evernote.com/**

Who we are

CUNY Assistive Technology Services (CATS) is a team of assistive technology specialists that are located at Queensborough Community College. Our goal is to stay on the forefront of assistive technology and provide support for those technologies used by students with disabilities who attend the various CUNY campuses

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