

# Using an iPad as a Blackboard ... in Kaltura, or ..

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## Goal

Simple method for synchronous (long) distance teaching

- ▶ resembling a blackboard lecture or
- ▶ beamer presentation with possibility to add notes

with simultaneous recording as a video.

**Idea:** open Kaltura on a tablet.

**But:** screen sharing does not work on a tablet, and so we need tablet+computer

## Various tablet-computer combinations

### Tablets:

- ▶ IOS (iPad)
- ▶ Android

### Computers:

- ▶ Macbook (MacOs)
- ▶ Windows PC
- ▶ Linux

We will discuss: iPad (IOS) +Macbook.

Suggestions for other combinations will be provided.

## iPad+Macbook – easiest method

### Tools:

- ▶ **Airserver** (free version - 31 days, or pay €14)  
Should be installed on Mac
- ▶ pdf-annotation program on iPad. Favourite: **Goodnotes** (€9)

### Recipe:

- ▶ Open Airserver on Mac (Mac becomes 'Apple TV'),  
and make sure Mac+iPad connected to same network
- ▶ On iPad swipe right top and in 'screen mirroring' select your Mac
- ▶ Open Goodnotes on iPad
- ▶ In Kaltura on Mac, switch on 'share screen' with iPad mirror

**Remark:** No cable between Mac and iPad necessary, unless on university network.

**Remark** An easy alternative option is via Zoom: see further.

Illustrative video by Bart Eggen <https://youtu.be/CrDUyGAosh4>

## Extension to other combinations

### Experience exists for:

- ▶ Windows+iPad:  
Letsview (free) recipe exists, cf. Onno van Gaans, main element
  - ▶ install Letsview on both iPad and laptop
  - ▶ (Snellius) insert code on iPad provided by Letsview on laptop  
(at home not necessary)
- ▶ Linux+Android: more complicated, ask Thomas Nagler

### Internet suggests:

- ▶ Airserver should work for combi's (Windows,Mac) +(iPad,Android);
- ▶ idem Letsview

**However:** Goodnotes only available for iPad,  
Thomas recommends Squid on Android tablet

## Other wishes

Checking HW on tablet in Brightspace with pen:  
problematic – no handpalm rejection and  
connection seems to be too slow.

SEEDS: can you help?

### Sharing 'whiteboard' on two tablets

- ▶ in Goodnotes also annotation of pdf's can be shared, but very slow (delay 15 seconds)
- ▶ Google Jamboard is great as a shared chalkboard using apple pencils, but annotation of pdf's does not function well.

### Other options?

## Letsview with Windows+ iPad

- ▶ Open Letsview on both Windows laptop and iPad, make sure that both are connected to the same network
- ▶ On Snellius: insert code on iPad provided by Letsview on laptop (at home not necessary)
- ▶ Give iPad permission to share screen with Letsview on laptop. The iPad screen is now mirrored to laptop
- ▶ Open Goodnotes on iPad
- ▶ In Kaltura on laptop, switch on 'share screen' with iPad mirror

## Recording an audio-video (I)

Record on Mac(/Windows?)+iPad, exclusively via Airserver.

- ▶ Open Airserver on Mac and make sure Mac+iPad connected to same network.
- ▶ On iPad swipe right top and in 'screen mirroring' select your Mac.
- ▶ You will see a grey bar on the mirrored iPad screen on your Mac, with a record button, and a wheel with fine-tuning options.
- ▶ Press the record button, then you see the option to switch on mic.
- ▶ Whatever is on your iPad screen, is recorded together with your voice, till you press the record button again.
- ▶ The recorded video can be saved on your Mac as a .mov file.

Then use your pdf-reader, e.g. Goodnotes, on the iPad, to talk through your presentation, or give a 'blackboard' talk, while recording.



## Recording an audio-video (II)

Record in Kaltura on Mac(/Windows?)+iPad, via Airserver (or another screen sharing tool)

- ▶ Set-up a Kaltura lecture/presentation as described earlier
- ▶ Use the Kaltura record option.

Mac/Windows+iPad, via Zoom.

- ▶ Set-up a Zoom lecture/presentation, see <https://support.zoom.us/hc/en-us/articles/201379235>
- ▶ Use the Zoom record option