

Website Shortcut

<u>bit.ly/zoombomber</u>

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What Is Zoom?

- Zoom Video Communications, Inc.
 - HQ: San Jose, CA, 2011
- Started by former Webex engineer
- Company now worth \$40 billion
 - General Motors: \$28 billion
- Widely regarded as easiest video conferencing

Zoom Account Types			
	Basic	Pro	Business
Cost	Free	\$14.99/mo	\$19.99/mo
Participants	100	100	300
Max Length	40 min	24 hrs	24 hrs
Extras	None	Advanced meeting controls	Advanced meeting controls
		1 GB of recording space (~1 hr)	1 GB of recording space (~1 hr)
			Dedicated phone support
			Company branding

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Zoom Problems

- Lack of security
 - Zoom created a hidden web servers on Macs
 - Made it difficult to remove
 - Encrypted, but key stored in China
 - Warning from FBI (March 2020)
 - Investigated by NY State Attorney General
 - Banned from NYC schools
- Zoombombing

Zoombombing

- Hackers join and interrupt meetings
 - Share obscene images or yell obscenities
 - Send racist or misogynistic chats to members
 - Share files containing viruses
- Organizers are forced to shut down the meeting

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How Zoombombers Gain Access

- Meeting IDs posted on public sites
- Hackers have apps to gather Meeting IDs
- Share Meeting IDs on websites
- Students can invite friends into class meetings

Zoom Meeting Security

Two Aspects:

- Blocking Bad Attendees
- Controlling Good Attendees

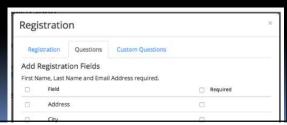
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Blocking Bad Attendees

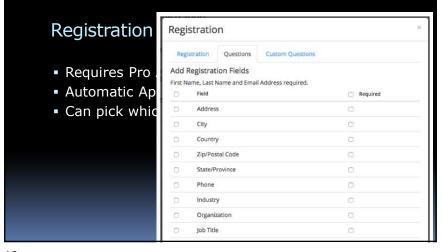
- Avoid public notices
- Safeguard meeting IDs and passwords
- Use the Waiting Room feature
- Lock the Meeting
- If available, require registration

Registration

- Requires Pro Account
- Automatic Approval or Manual Approval
- Can pick which questions to ask



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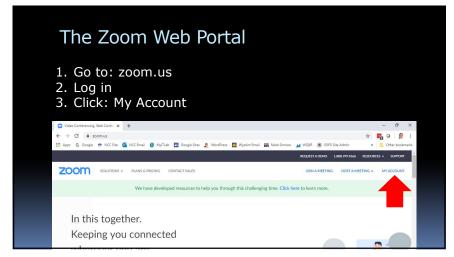


Controlling Attendees

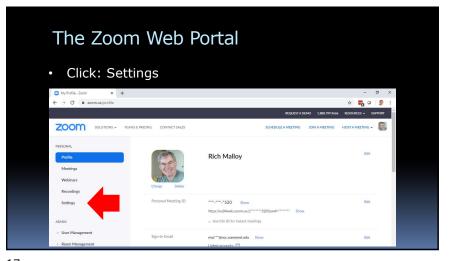
Limit Video Sharing
Limit Chatting
Limit File Sharing
Remove Attendees
Consider doing a Webinar

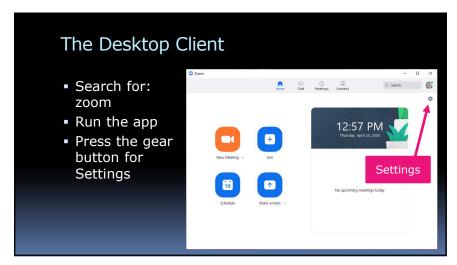
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3 Ways to Change Settings
The Zoom Web Portal
The Zoom Desktop Client
In-Meeting Toolbar

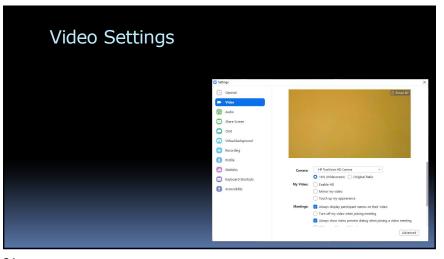


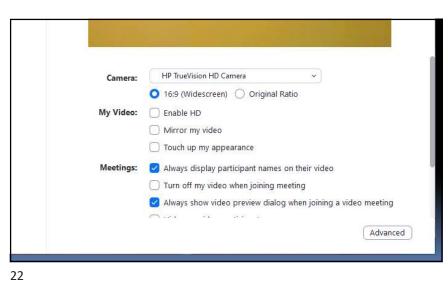
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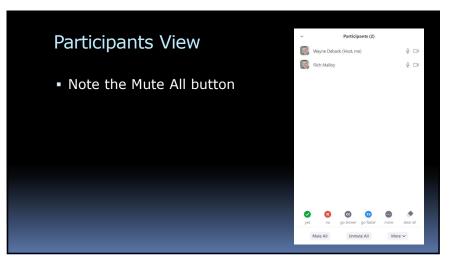


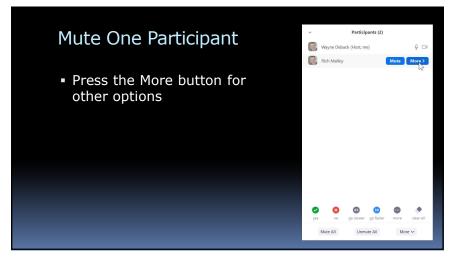


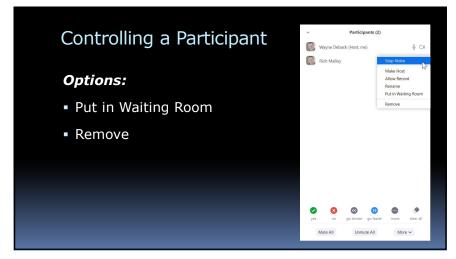




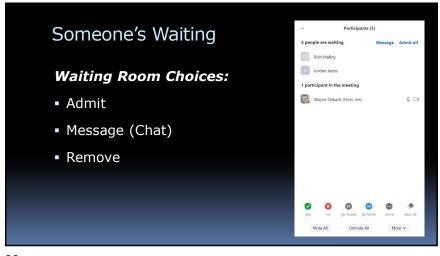








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Chatting with the Waiting Room

Must chat with everyone
Cannot privately chat

Participant in the meeting

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Toom Group Chat

To: Everyone (in Waiting Room) v

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Webinars

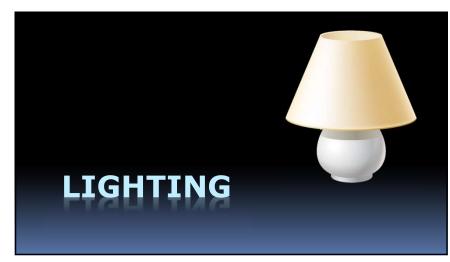
• Virtual lecture hall
• Good for large audiences
• Extra cost: \$40/month for Pro accounts

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Webinar Controls

- Attendees are usually muted
- Only hosts and panelists can share screens
- Chat is available
- Attendees can raise hands



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Lighting Tips

- Zoom works best with plenty of light
- Natural lighting is best, if available



Indoor Lights

- LED bulbs work well
- Daylight or 5000K are best
- Soft Daylight or 3000K may be too "warm"
- Use a lampshade if possible

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Lighting References

YouTube Videos:

- How To Look Good on Video Calls for Zoom FaceTime Skype
- Top 10 Tips & Tricks For A Zoom Meeting |
 Lighting | Set Up | Makeup & More! | MsGoldgirl

Blogs:

How to look your best on a video call



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Laptop Microphones

- Pinhole at top of display
- Not very good quality
- Picks up room noise, echo



Smartphone Earbuds

- Small microphone
- But close to your mouth
- Pretty good quality



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Popup Green Screens

• Foldable
• 6 by 4.5 feet
• \$60

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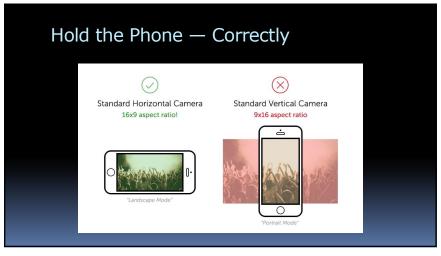


Zoom on Mobile Devices

Apps for iPhone, iPad, and Android
Limited functionality
Steadiness problem

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Best Practices

- Getting Ready
- Getting Started
- Interact
- Viewing Tips
- Keyboard Shortcuts
- Best Screen Sharing Settings

Getting Ready

- Rehearse a day or so before the event
- Involve all presenters
- Check all connections
- Rehearse by yourself:
 - Set up second account
 - On tablet, phone, or second computer

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Getting Started

- Start early
- Housekeeping
 - Show attendees can interact
- Start interacting quickly
 - Will help dissuade latecomers

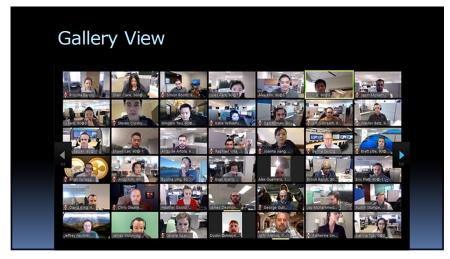
Interactions

- Polls
- Chats
- Raise hands
 - Real or simulated
- Interactive annotations

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Best Viewing Options

- Use Gallery view
- Avoid HD video for yourself



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Gallery View vs. Speaker View

- Click button in upper right corner of screen
- As a host, Gallery View shows all participants
- As an attendee, Speaker View might be best

Valuable Shortcut Keys

• Mute All: Alt M

Share/Unshare: Alt SRaise/Lower Hand: Alt Y

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Best Screen Sharing Options

- Magnify text on your computer screen
 - Windows: Rt-click Desktop > Screen Options
- Magnify the mouse pointer
 - Windows: Control Panel > Mouse > Magnified
- Optimize for System Audio and Videos
- Annotations

Sharing Options

• Check both if you are sharing a video

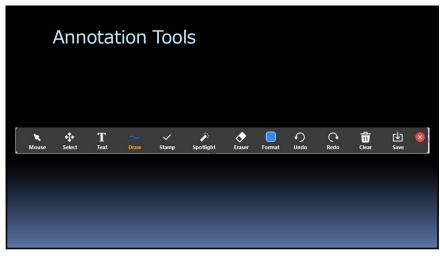
Share computer sound

Optimize Screen Sharing for Video Clip

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References Guidelines for Configuring Zoom at Your Nonprofit https://blog.techsoup.org/posts/guidelines-for-configuring-zoom-at-your-nonprofit Zoom Online Event Best Practices (pdf) Zoom Meetings Training Reference Guide (pdf)

Website Shortcut

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