

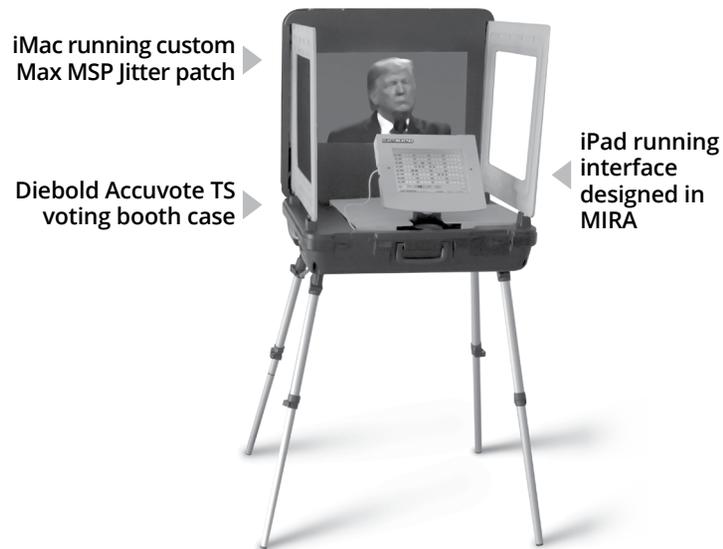
# **ELECTOELECTRO** ELECTION VIDEO BEATMAKER MAIL-IN TABLATURE BALLOT

Instructions: Open the PDF document in Adobe Acrobat Reader or similar program to fill out this form digitally. You can also print it, fill it out by hand, photograph it, and email the photograph to [electoelectro2020@gmail.com](mailto:electoelectro2020@gmail.com)

<b>VOTE FOR ONE</b>															
<b>DONALD J. TRUMP</b>				<b>JOSEPH R. BIDEN</b>				<b>(WRITE IN)</b> _____							
<b>WRITE IN PREFERRED TEMPO:</b> _____ <b>BPM</b> <b>YOUR NAME (OPTIONAL):</b> _____															
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>	<b>08</b>	<b>09</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>KICK</b>															
<b>SNARE</b>															
<b>CL HI HAT</b>															
<b>OP HI HAT</b>															
<b>CLAP</b>															
<b>RIM</b>															
<b>LO TOM</b>															
<b>HI TOM</b>															

# ELECTOELECTRO ELECTION VIDEO BEATMAKER

a project by Mike Richison



*Electo Electro 2020* is an interactive art installation that encourages participants to remix videos from political rallies, debates, and news in a structured sixteen beat loop.

The interface is comprised of 5 panels: PATTERN A [STEPS 1-16], PATTERN B [STEPS 17-32], TRIM & EFFECTS, VOCODER, and EFFECT GRAPHS.

The physical booth is a Diebold Accuvote TS case, a voting system that is difficult to audit and susceptible to hacking. An installation can be comprised of as few as one station or as many as eight.



[www.electoelectro.com](http://www.electoelectro.com)  
[twitch.tv/electoelectro](https://www.twitch.tv/electoelectro)  
[www.mikerichison.com](http://www.mikerichison.com)  
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## ABOUT THE PROJECT

*Electo Electro 2020* is an interactive art installation combining audience participation, technology, music, news footage, and politics. iMacs running a custom Max MSP Jitter software patch are housed in voting booths that once held Diebold Accuvote TS voting computers. The patch makes it possible for participants to remix debate footage from the 2020 American presidential election cycle in a structured sixteen-beat loop that plays on the iMac screen and a set of speakers. Each station also utilizes an iPad as an interactive graphic user interface – a reference to musical devices such as the Roland TR 808.

The touchscreen design of *Electo Electro 2020* is a parody of the touchscreen system employed by the Diebold Accuvote TS, a defunct voting system that was difficult to audit and susceptible to hacking. The parody continues into the format of the installation itself, which resembles a polling station. An installation can have as few as two stations or as many as ten. The format is an open one that allows anyone visiting the installation to interact with the stations. The project aspires to encourage those who interact with it to examine media and become individuals who can control media, rather than be controlled by it.



Roland TR808

In 2003, a group of researchers discovered a long list of vulnerabilities in the Accuvote TS, including several hardware and software entry points resulting in opportunities to steal votes, lose votes, or render the machine itself unusable. The Diebold Accuvote TS system embodied a breakdown of the democratic process. It had no built-in auditing via paper. The computer used code that was owned by its parent company and can't be checked or audited. State-level voter databases associated with this voting system have seen serious security breaches. Its manufacturer has been embroiled in scandals including questionable affiliations between political officials and corporate executives. Government officials at the state level who supported the Diebold system's use have been involved in various lawsuits. Despite all these issues, this system was used as recently as 2018 in Georgia during its gubernatorial election.



Diebold Accuvote TS

Voting machines such as the Accuvote TS are DREs – Direct Recording Electronic systems. The flaws found in the Accuvote TS are not unique to that particular system. Many DRE systems are equally susceptible to similar security threats.

## Sources and Further Reading:

Paul S. Herrnson et. al., *Voting Technology: The Not-So-Simple Act of Casting a Ballot*

Ariel J. Feldman, Alex Halderman, and Edward W. Felten, "Security Analysis of the Diebold AccuVote-TS Voting Machine"

*Colorado Springs Gazette*, "Common Cause, the National Election Defense Coalition and Protect Democracy Support Legal Challenge to Georgia's Insecure Voting System"

Bob Fittrakis, "Diebold Indicted: Its spectre still haunts Ohio elections," *Columbus Free Press*

*Colorado Springs Gazette*, "Georgia voters, Colorado nonprofit sue to overturn special election results in Georgia's 6th Congressional District," *The Washington Examiner*

## Acknowledgments:

Monmouth University: the Provost's Office, the Department of Art and Design, the Deans' Department of the Wayne McMurray School of Humanities and Social Sciences, the Polling Institute, and Galleries and Collections. The work was supported in part by a Creativity Grant from Monmouth University.