

Introduction: The NU Digital Signage Service is managed by the NU ITS A/V team. The service is provided to the entire NU system, and consists of a single digital signage content management/playback software solution, along with player and display hardware. Construction projects that include digital signage components should be coordinated with:

- [Nate Morris, Digital Signage Administrator, NU ITS](#)
- [Matt Bolton, Audio/Visual Design Engineer, NU ITS](#)

Non-Interactive Digital Signs: Non-interactive digital signs are most commonly installed in horizontal/landscape orientation. Depending on the wall space and viewing distance, 55-, 65-, or 75-inch displays are preferred. Displays used for digital signage must be commercial quality, with run times of either 16/7 or 24/7. Wall mounts should at least accommodate vertical tilt, if not tilt and swivel.

Non-interactive displays are commonly installed with their vertical center at least 60 inches above the finished floor (AFF). Displays can be installed higher if space and usage dictate (vertical tilt mount required) but should not be installed lower in most cases.

To comply with ADA law, the front of the display can protrude no further than 4 inches from the wall if the display is below 80 inches AFF. <https://www.ada.gov/law-and-regs/design-standards/2010-stds/#307-protruding-objects>

Two single gang wall boxes should be installed behind the display location, preferably behind the upper right quadrant of the display. One wall box should contain a standard duplex power outlet, and the other wall box should contain three active data ports.

Displays and mounts can be provided by either the NU ITS A/V team or an external integrator. The sign player PC devices are only provided by the NU ITS A/V team. No sign player devices other than those provided by NU ITS will be approved or used.

Preferred mounting equipment:

- Chief LTM1U for displays less than 85 inches, vertical tilt
- Chief XTM1U for 85 inches or larger, vertical tilt
- Chief TS318TU for displays 65 inches or below, tilt/swivel
- Chief TS525TU for displays larger than 65 inches, tilt/swivel
- Chief Impact On-Wall – Landscape, paired with Strong VersaBox Pro Recessed 14x14 inch backbox

Preferred display equipment:

- Samsung QB-C displays for 16/7 operation
- Samsung QM-C displays for 24/7 operation and/or higher brightness

Interactive Digital Signs: Interactive digital signs are most commonly installed in vertical/portrait orientation, with 55 inches being the standard display size. Interactive displays installed on-wall will have their vertical center no higher than 60 inches AFF. For a 55-inch display, the bottom will then be approximately 36 inches AFF and will allow for the portion of the display between 36 inches and 48 inches AFF to contain all interactive elements, as required by ADA law.

<https://www.ada.gov/law-and-regs/design-standards/2010-stds/#308-reach-ranges>

Interactive displays should preferably be installed in a kiosk enclosure, whether free-standing or on-wall. The respective Chief Impact Freestanding Portrait or On-Wall Portrait enclosure should be used. On-wall installations should use the Strong VersaBox Pro Recessed 14x14 inch backbox for power, data, and PC player housing. A duplex power outlet and three active data ports to the backbox are required.

DIGITAL SIGNS - UNL

Displays and mounts can be provided by either the NU ITS A/V team or an external integrator. The sign player PC devices are only provided by the NU ITS A/V team. No sign player devices other than those provided by NU ITS will be approved or used.

Preferred mounting equipment:

- Chief Impact On-Wall – Portrait, paired with Strong VersaBox Pro Recessed 14x14 inch backbox
- Chief Impact Floor Standing Kiosk – Portrait, paired with appropriate Impact Freestanding Base Accessory for single- or double-sided enclosures

Preferred display equipment:

- ELO Touch 5554L IR or PCAP touch display

Room Schedule Signs: Room schedule signs are 10-inch interactive tablets (10.3 inches wide by 6.5 inches tall). For on-wall installations, a single gang wall box should be installed vertically, and vertically centered 46 inches AFF. A single active network line should be run into the wall box, terminated with a keystone jack. No wall plate should be used – the sign mount will attach to the open wall box. The wall box should be installed far enough away from the door frame so that the edge of the device closest to the door will come no closer than 3 inches from the door frame.

For on-glass installations, the network line should be terminated in the ceiling above with a surface mount box/biscuit, and an ethernet patch cable run through the door/glass framing. A hole at least a half inch in diameter should be made in the side of the framing for the patch cable to exit and plug into the room sign tablet.

Room sign devices and mounts will only be provided by the NU ITS A/V team.