



CORE 3 UI White Paper

Easily create dynamic user interfaces while lowering programming costs

Abstract

This paper describes how Core 3 UI™, the groundbreaking new GUI design platform from Crestron, enables programmers to quickly and easily create dynamic, graphically-rich touch screen interfaces in support of Crestron solutions, driving more sales and profits.

The popularity of the Apple® iPhone®, iPad®, Android™ and other GUI-controlled devices has led to a corresponding rise in consumer expectations when it comes to the user experience.

Ultimately, the end user experience is what drives sales and demand; they want devices that offer the “cool” factor. Tech-savvy, sophisticated consumers expect a comparable, if not even more engaging and intuitive user interface experience with all of their control and communication devices – and at a wallet-friendly price.

The challenge for Crestron dealers and programmers, therefore, is how to meet or exceed consumer expectations for a dynamic, rich user interface while reducing programming time and costs.

This paper demonstrates how Core 3 UI™, the groundbreaking new GUI design platform, can help Crestron programmers quickly and easily create dynamic, graphically-rich touch screen interfaces in support of Crestron solutions, driving more sales and profits.

More “wow” factor, less effort and cost

Core 3 UI gives Crestron programmers the ability to design the next generation of dynamic touch screen interfaces to control theaters, lighting, thermostats, multi-room audio, digital music, video content, security cameras and other connected devices.

The unique Core 3 UI platform supports Adobe® Flash®, HTML5, digital HD video, H.264 streaming video and Web browsing all at the same time. State-of-the-art technology such as SmartObjects™ and smart sizing make it easy for programmers to deliver extremely dynamic, graphically rich and intuitive user experiences.

By including a library of realistic graphical sliders, knobs, buttons, meters and gauges, Crestron has made it simple for programmers to create life-like motion. Scrolling through music playlists, movie libraries and home control apps is fast, fun and easy for users, with lists and toolbars that scroll at the flick of a fingertip.

Surprisingly, these new capabilities come at a lower cost and dramatically reduce programming time – by up to 30% - especially for jobs requiring multiple touch screens, where the groundbreaking new smart sizing tool automatically resizes a project to fit touch screens of multiple sizes.

Smart sizing – design one, deploy many

Core 3 UI's smart sizing technology takes the pain out of resizing multi-layered objects, such as virtual keypads.

Rather than multiple objects (buttons, text, borders, etc.), each requiring resizing or other graphical editing, Core 3 UI treats a complex object as a single item. So, resizing a keypad, for example, is as simple as clicking on the object and dragging a handle to the desired size. Every element in the keypad is scaled perfectly, even text, providing users with a consistent look and feel. So a single project can be deployed across multiple touch screens of varying sizes without any additional effort, reducing programming time by days.

Drag-and-drop graphics, objects and apps

Core 3 UI includes a library of new, polished-looking icons, buttons and gauges that can be dragged-and-dropped into touch screen interface designs. Additionally, Core 3 UI features support for media objects and apps that can also be dragged-and-dropped into the design, speeding the creation of immersive graphics-rich interactive touch screen GUIs.

SmartObjects = Smarter GUIs

Core 3 UI's SmartObjects technology enables programmers to instantly add controls, user presets, and metadata interfaces for everything from simple keypads to complex media devices and environmental systems. Adding complex pre-configured objects such as ADMS™, iPod®, SiriusXM®, or Pandora® interfaces to a project is as simple as adding a button using the drag-and-drop operation, cutting days of programming time to hours or even minutes.

SmartObjects enables programmers to:

- Quickly configure a complete distributed audio system with touch screen controls
- Quickly add a wide selection of controls, user presets and metadata to any project via drag-and-drop, without redrawing or reprogramming
- Enable user-definable presets for TV, radio, and lighting
- Enable user-selectable background themes
- Personalize the display by adding slick widgets such as an animated clock, weather display, news feed, or calendar
- Create a different look and feel for various events by simply changing touch screen theme

Core 3 UI is NOW AVAILABLE for the following touch screens:

MC3 (XPanel)	TPMC-8X-GA
TPMC-V12	TPMC-9
TPMC-V15	TPMC-9L
TPMC-4SM-FD	V12 (via DGE-2)
TPMC-4SMD-FD	V15 (via DGE-2)
TPMC-8T-GA	V24-C (via DGE-2)

Core 3 UI is coming soon for the following touch screens:

MTX-3	TPMC-3X
TPMC-3SM	TPMC-4SM
TPMC-3SMD	TPMC-4SMD

Conclusion

Crestron Core 3 UI raises the bar for fast, easy design of dynamic touch screen interfaces. Its ability to merge objects and apps, integrate gestures-driven navigation, and easily scale designs to fit multiple touch screens dramatically reduces programming time while increasing the “wow” factor.

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