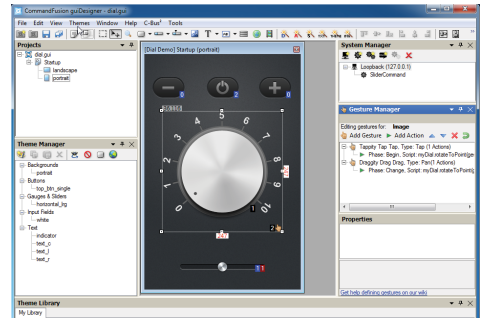


iViewer

Supported Platforms

- iOS (iPhone, iPad, iPod Touch) 4.3 and later
- Android 2.3 and later



CommandFusion iViewer allows full two way remote control of any hardware or software capable of TCP/IP or UDP communications, directly from iOS or Android devices.

iViewer works seamlessly with our own CommandFusion hardware, as well as other systems such as Crestron, AMX, Control4, GlobalCaché, and any other product that can be accessed over ethernet or WiFi.

Our powerful iViewer automation engine lets you create beautiful, dynamic and animated users interfaces. Using our guiDesigner software, you have full control over how each page looks and interacts. You can fully customize the layouts, themes and interactions. Easily program animations and page transitions. Create commands and macros assigned to on-screen objects. assign actions to user gestures, and much more.

Advanced data processing is possible via our powerful data analysis engine, allowing you to automatically take action upon events received from the remote devices. In depth networking includes TCP, UDP with broadcast and multicast support.



For even more control, iViewer can be driven by JavaScript code. Our extensive programming interface allows controlling each and every aspect of the user interface and network communications. Powerful JavaScript modules provided by CommandFusion and third parties allow for unlimited extensibility and reusability.

For more information including documentation and quick start guides, see our website: <http://www.commandfusion.com/iviewer.html>

Fully Customisable User Interface

- Customise using guiDesigner drag-and-drop software (Windows only).
- Unlimited pages and subpages with licence (single page is free).
- Support for independent portrait and landscape orientations to show different UI when rotating the device.
- Buttons, sliders, gauges, dynamic images, video streaming (MJPEG, H.264, MPEG-4), web page embedding, dynamic scrolling lists, text objects, graphics and input fields amongst others.
- Transitions for page flips and subpages.
- Audio file playback triggered via events.
- Gesture engine to take full advantage of multi-touch, including multiple finger touches, swipes, pinch/zoom and rotation gestures.

Communication & Control

- Simultaneously control unlimited Ethernet devices directly from the mobile device, no other hardware required.
- Not restricted to talk to specific hardware, works with any Ethernet controllable system.
- Available communication methods:
 - TCP Server/Client
 - UDP Unicast/Broadcast/Multicast
 - HTTP/HTTPS
- Highly configurable communication sockets including heartbeats, startup events and queuing.
- Macros with customisable delays.
- Built in remote debugger tool to show status of system connections, incoming data logs, GUI object states, etc. All done via web browser connected to the device running iViewer. Supported web browsers are Chrome and Safari (Windows, Mac).

Feedback Processing

- Powerful feedback processing engine using regular expressions (regex).
- Capture data from any Ethernet device and process it for display as text, button states, slider levels, etc.
- Loopback communications to allow logic processing locally on the mobile device - great for programming UI interaction events and demonstrations.
- Highly flexible data processing without being forced to use scripting languages.

JavaScript API

- Use the power of JavaScript to add logic scripting to your project.
- Scriptable communications with external systems allows for advanced communication handling.
- Powerful logic and string manipulation functions built in.
- Re-use modular scripts for common device integration.
- Gather data from built in sensors such as GPS, accelerometer and gyro and perform actions via scripts.
- Manipulate GUI objects for advanced animations and GUI object states.
- Automatic service discovery and publishing via Bonjour.
- Advanced event handling such as video load state changes, incoming data changes, UI interactions, sensor changes, etc.

OEM Branding

- Service offering available to fully rebrand the app.
- Release as a new app on the app store, with customised icon, description, default user interface, etc.
- Contact us for implementation and pricing details on this service.