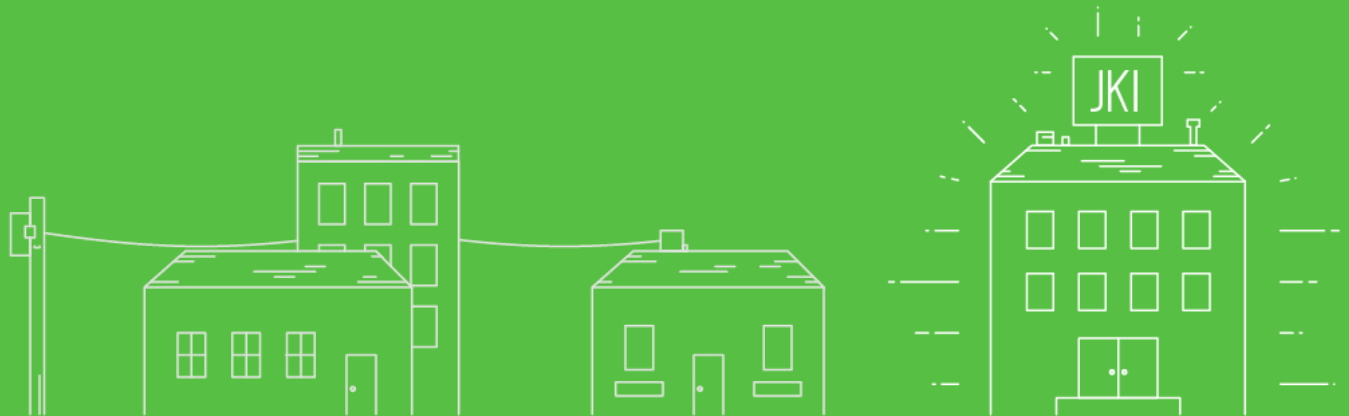

JKI

Professional UIs in LabVIEW

09/26/2019



Why Professional UIs in LabVIEW?
New free tools from JKI.

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Who cares about making UIs look good?
When should you care?

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How do LabVIEW UIs come to be?

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Most LabVIEW UIs
were created by an engineer
with LabVIEW
while building a hardware system
over time.

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These (hardware) systems are amazing

It may add lots of value
for them to look great, too

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When does it add business value?
(to have a professional UI)

When does usability drive value?
When does perception drive value?

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Usability

Who will use the software?
How does getting work done correctly and efficiently drive business value?

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Who will USE the software?

Test Operators, Systems Engineers, Service Technicians, End Customers

Perception

Who will see the software?
How does their perception of the software drive business value?

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Who will SEE the software?

Users, Team, Stakeholders, Investors, Customers, Partners.

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Since usability and perception drive business value

User Interface and User Experience design can make a huge difference.

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New free tools from JKI...

At JKI we take design seriously.

We've done a lot of work learning how to create great-looking UIs in LabVIEW.

We want all LabVIEW developers to be able to create great looking UIs, too.

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Who has used the JKI Flat UI Controls?

We've been working on 2.0

And, we decided to do it differently

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Flat UI Controls

+

Design Palette

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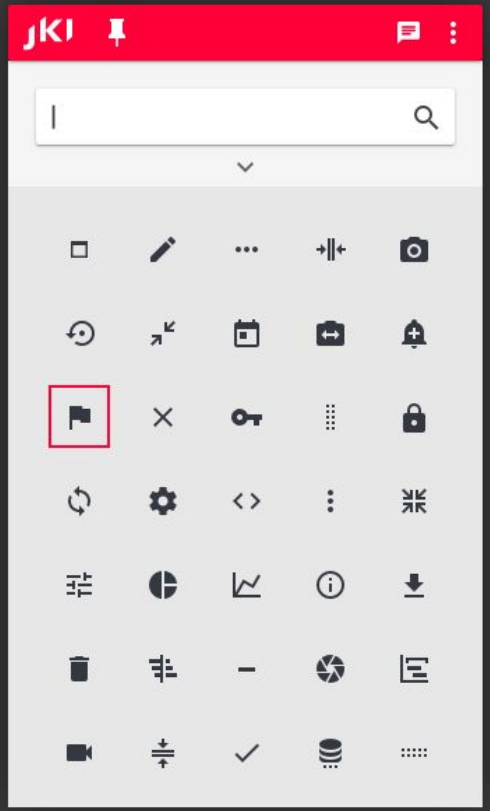

JKI Flat UI Controls 2.0 for LabVIEW

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“Material Design” Style

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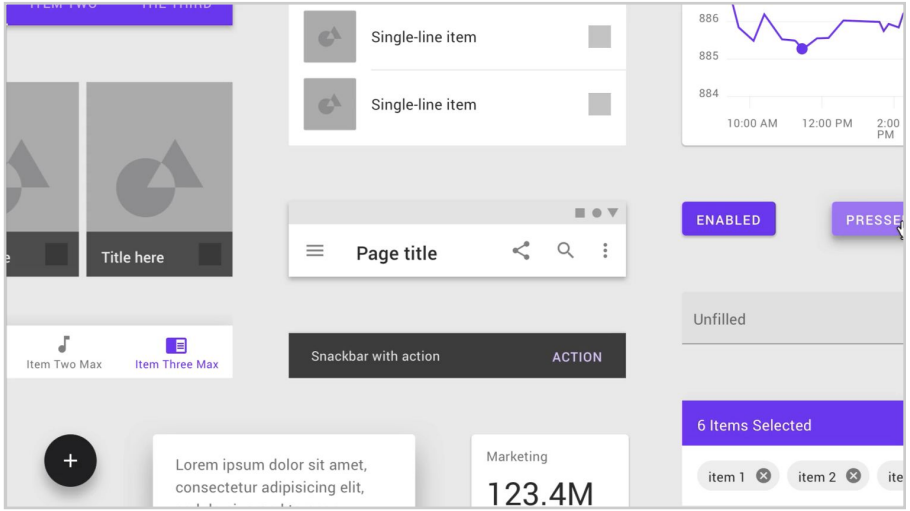
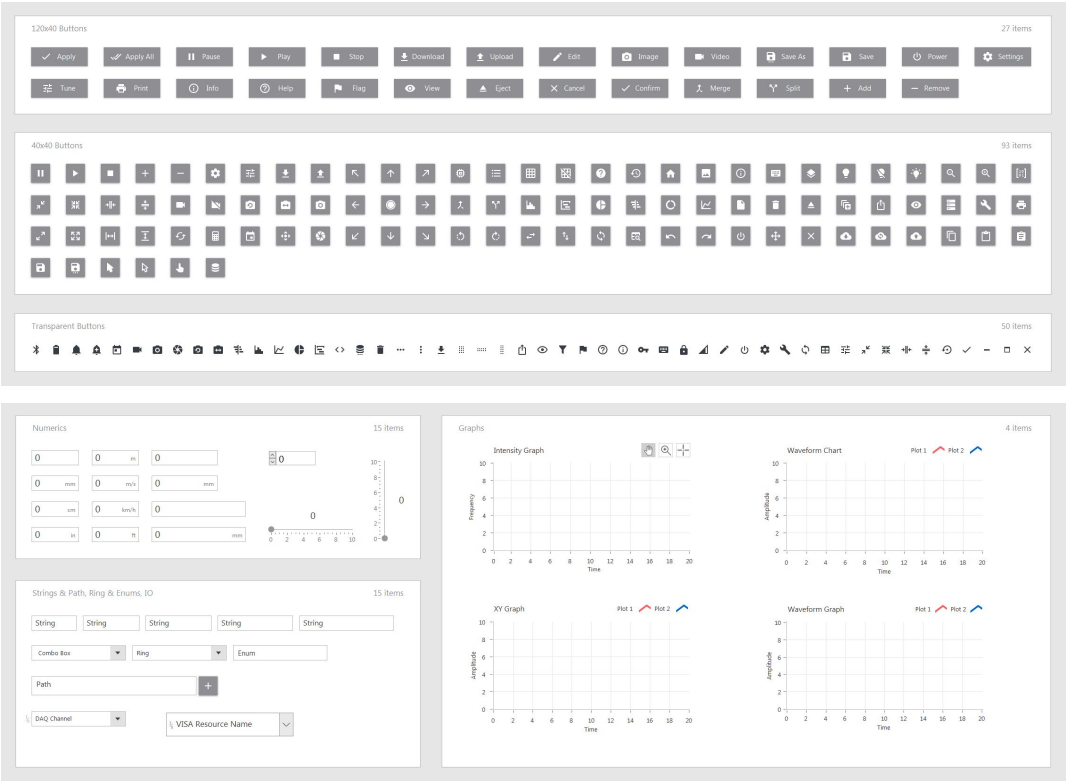
New “Material Design” style



The Flat UI 2.0 theme has been designed using the Material Design style from Google for a more consistent experience

What's Included

- Buttons (Boolean)
- Strings + Numerics
- Arrays + Clusters
- Path, IO, DAQmx, VISA
- Graphs and Charts



What's New in 2.0

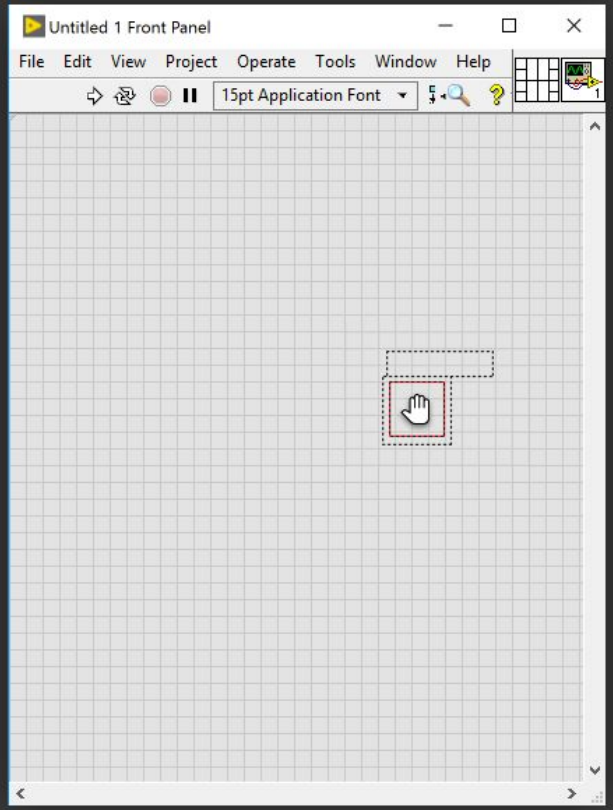
- **Over 200 Custom Controls** that use a new "Material Design" style, in order to give LabVIEW UIs a much more contemporary look and feel.

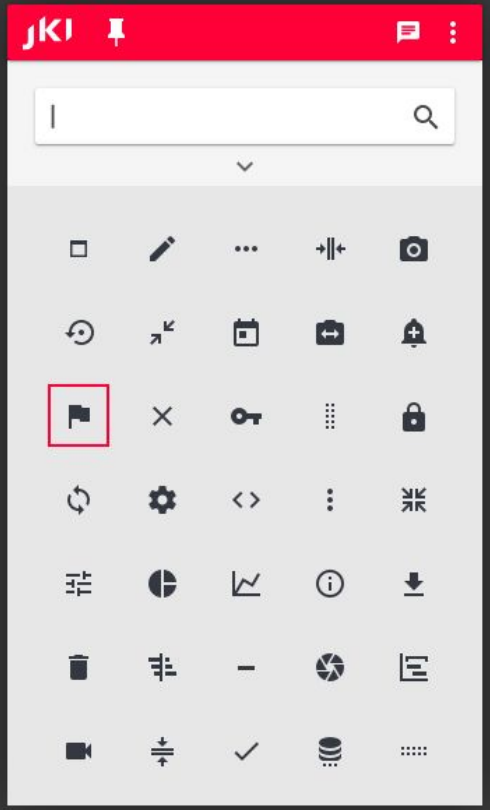
- **Major Improvements to Buttons** so they are recolorable, resizeable, and have hover effects

- **Integration with the JKI Design Palette** for a completely redesigned user experience, allowing easy search and use of the Flat UI Controls in your projects.

Design Palette

by JKI





We'll talk more about Design Palette, but let's look at the Flat UI Controls 2.0

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Buttons

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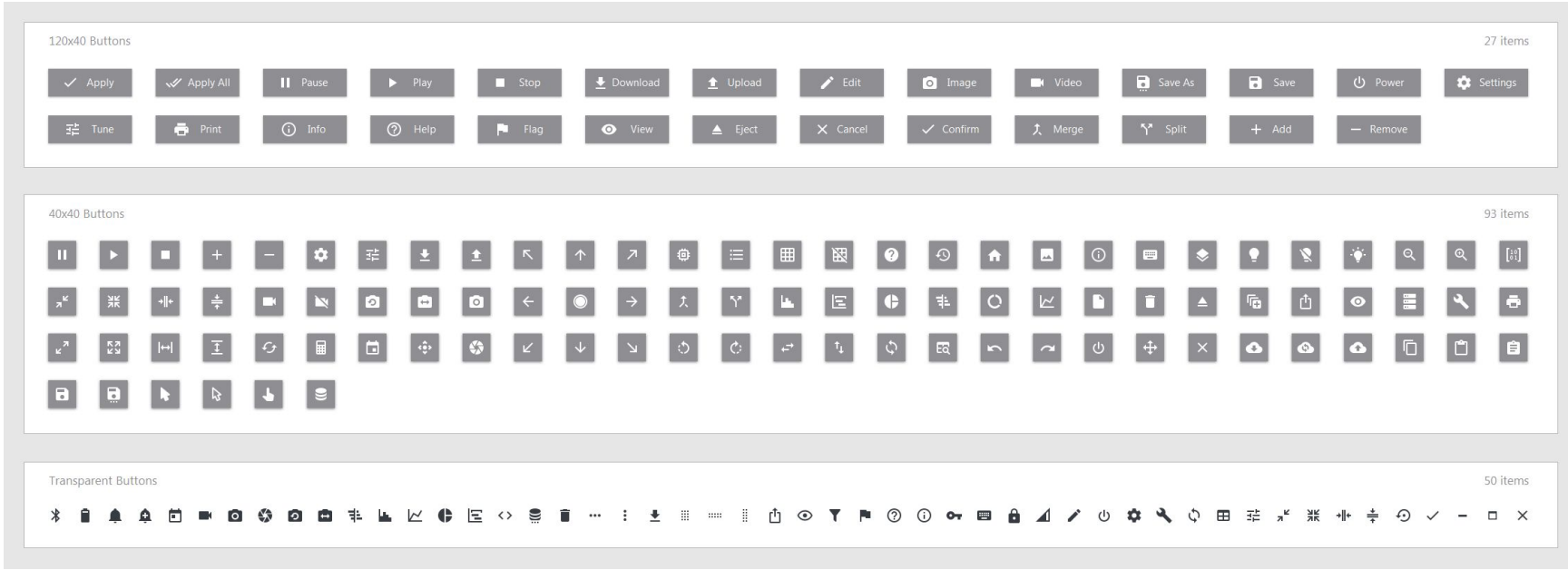
Buttons



40x40 Icon Only with Transparent Background

These appear as an icon, only, and then have a round background when hovering.

40x40 Icon Only

These look like what you might think of as a “traditional” buttons” (since they have a background, even when not hovering).

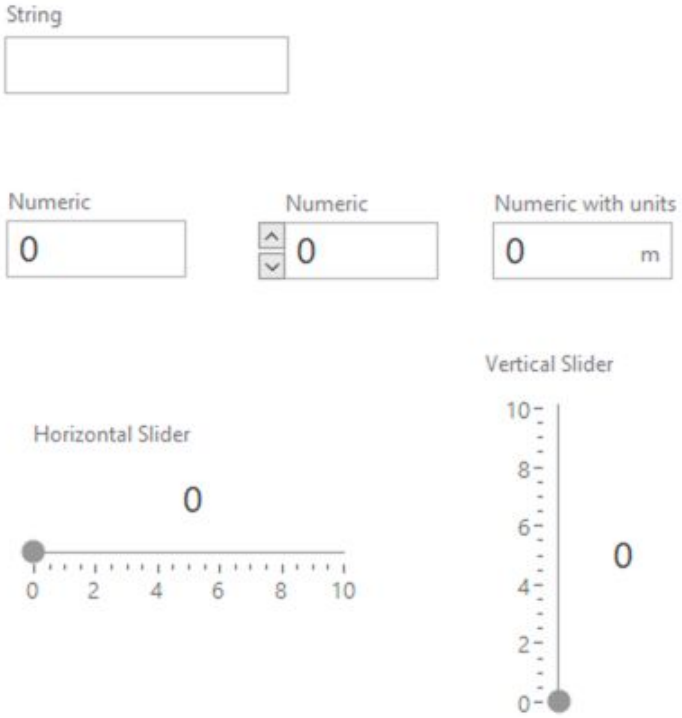
120x40 Icon and Text

These also look like “traditional” buttons” and are commonly used where space is plentiful and text descriptions of the button’s functionality are helpful to users (e.g. a Test Station where there can be no ambiguity about the functionality of a button).

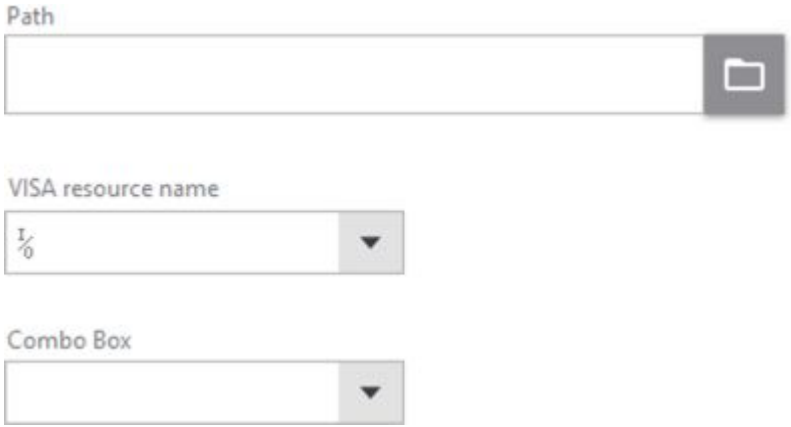
120x40 Text Only Button

It looks just like the 120x40 Icon and Text buttons, but does not have an icon -- only text, which you can change to be anything you like.

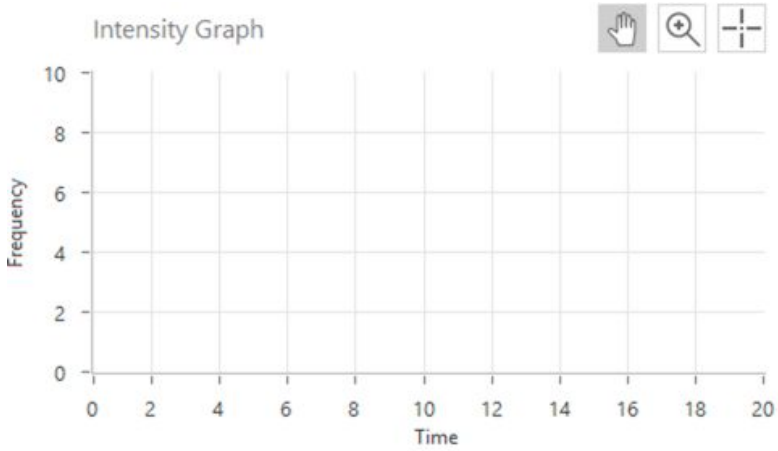
Strings and Numerics

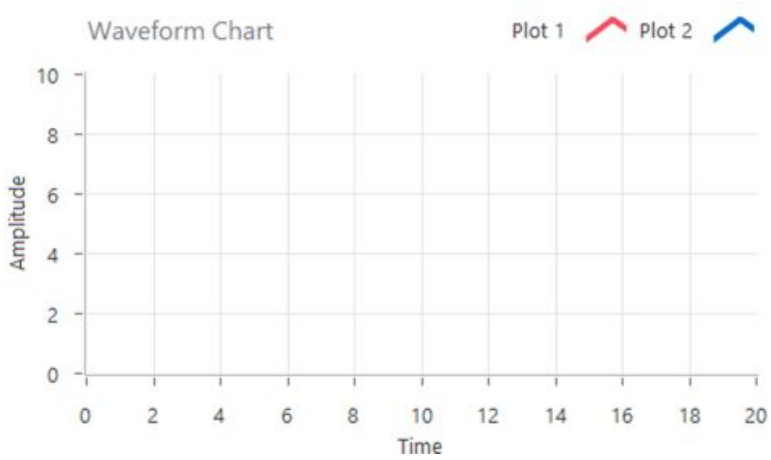


Path, VISA, Combo Box



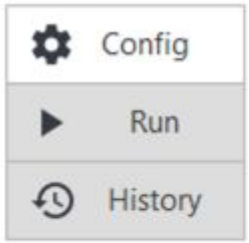
Graphs and Charts



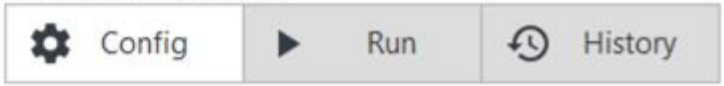


And More...

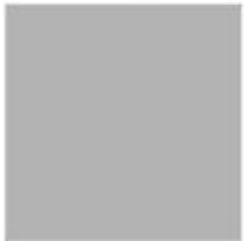
Radio Buttons - Vertical

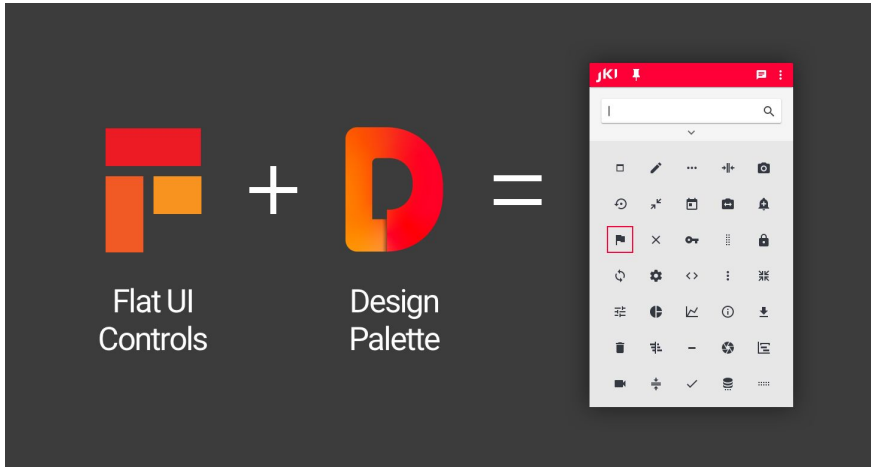


Radio Buttons - Horizontal



Borderless Cluster





Now, let’s explore the Flat UI Controls using the JKI Design Palette.

Demo

JKI Flat UI Controls & Design Palette

Helps you build professional UIs

Easy to search for controls

Add your own controls themes

Get great tips on UI development

More to come...

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Professional UIs in LabVIEW matter

JKI Flat UI Controls and
JKI Design Palette are a big step forward

Jim wants to help you get you get there

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Visit blog.jki.net
for all the latest news

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Thanks!

Please...

- **visit jki.net/tools and download Flat UI Controls 2.0**
- **try out these new tools**
- **get new tips for UI development in LabVIEW**
- **email me at jim.kring@jki.net**