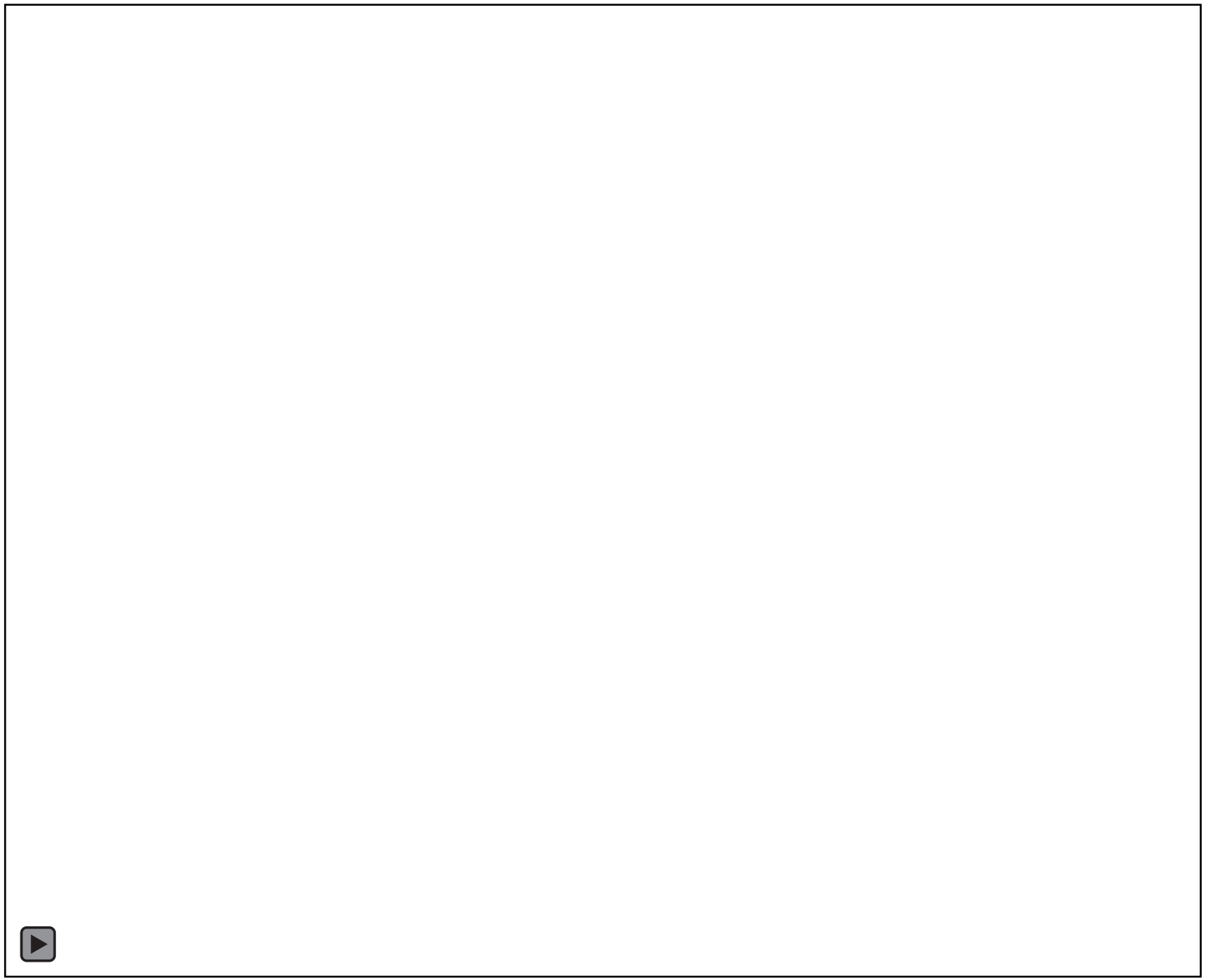
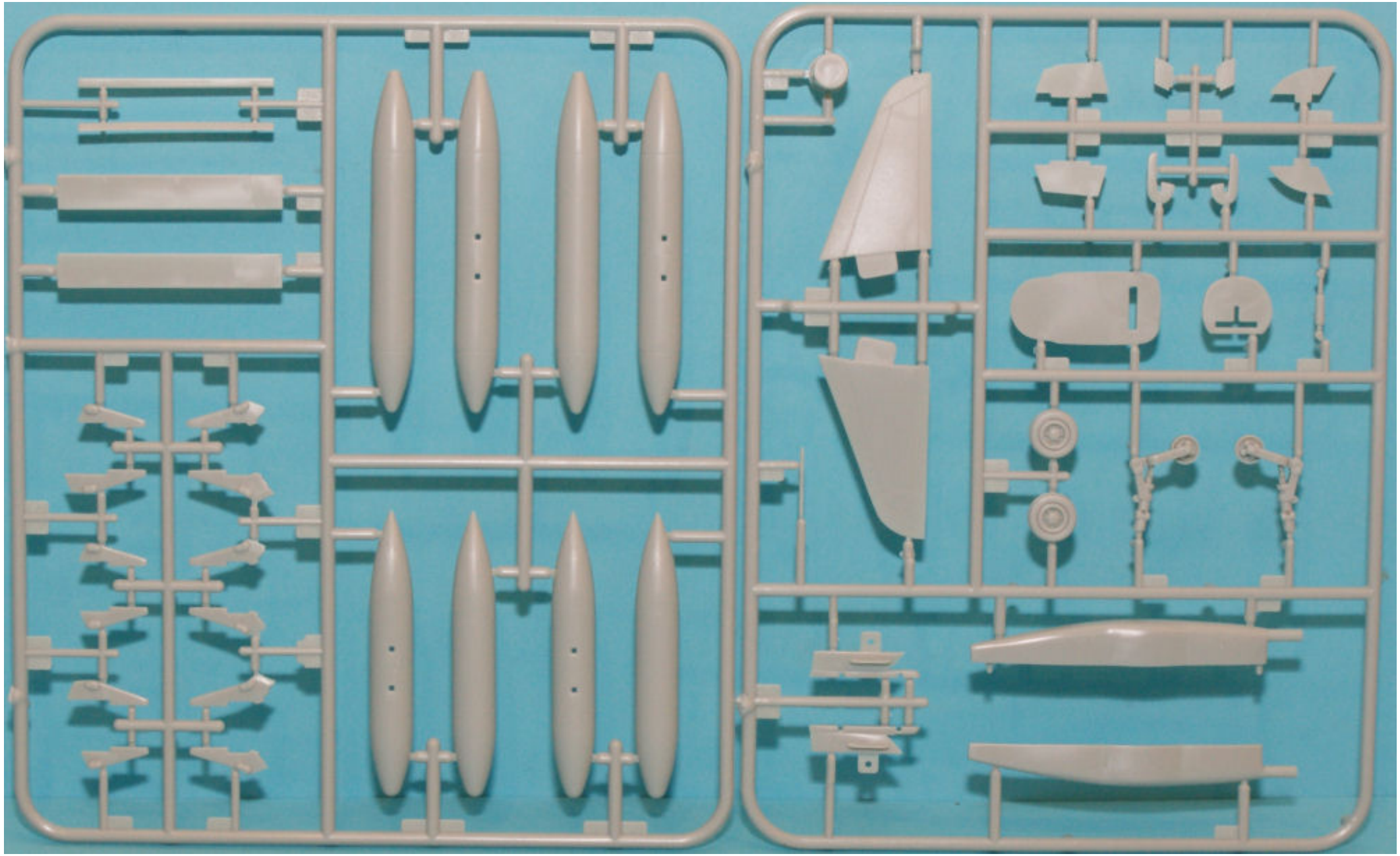
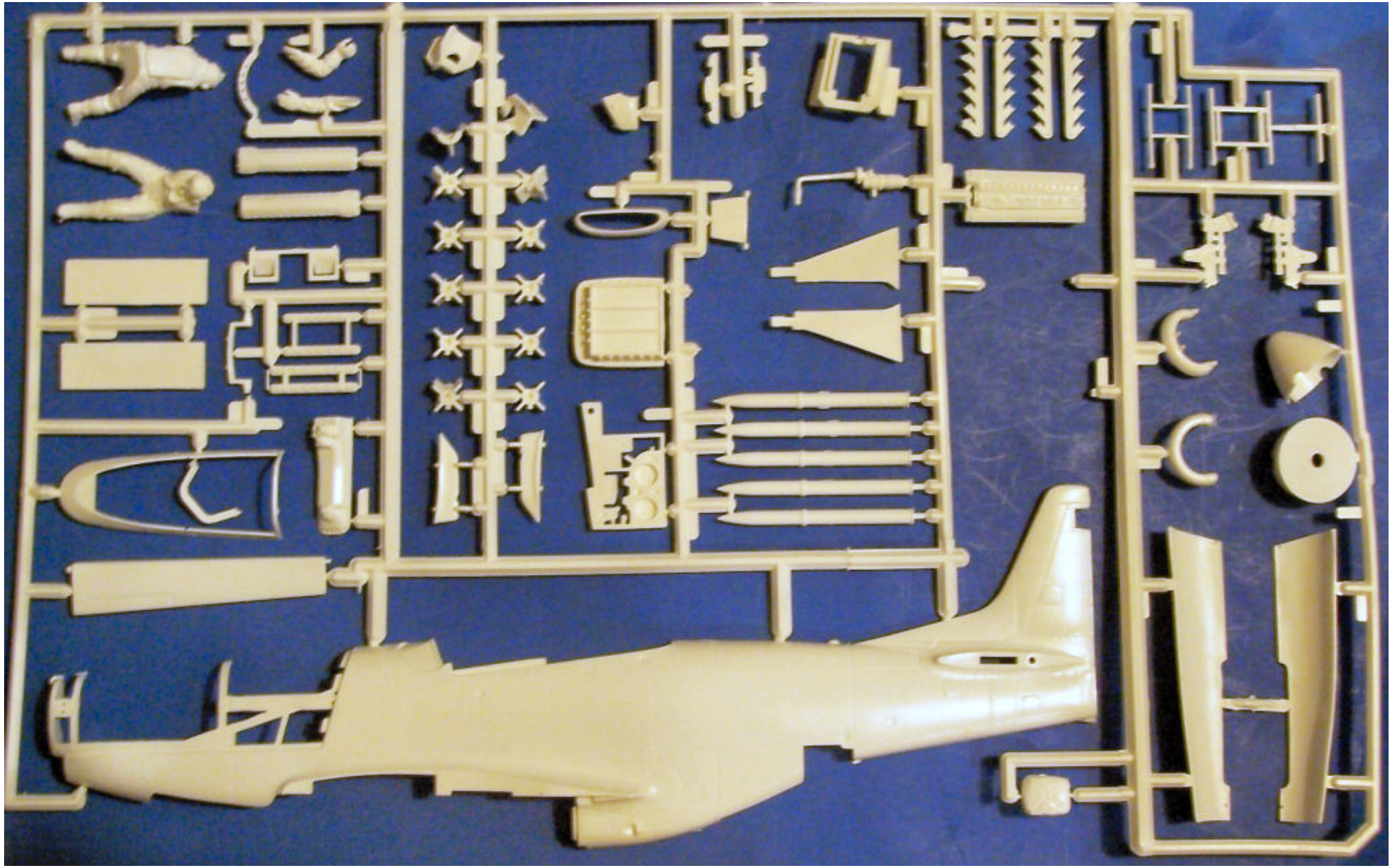
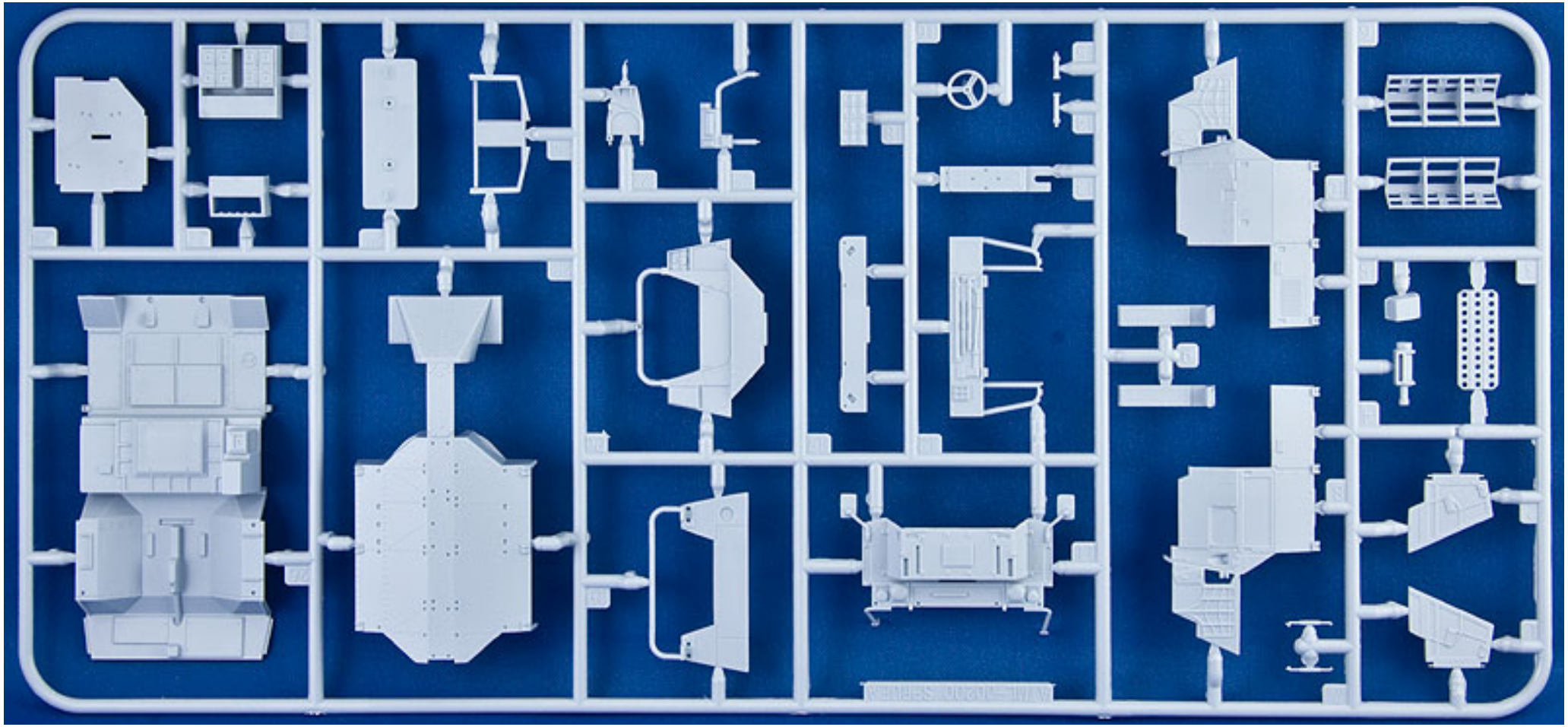


plastic model kits …

AIRFIX





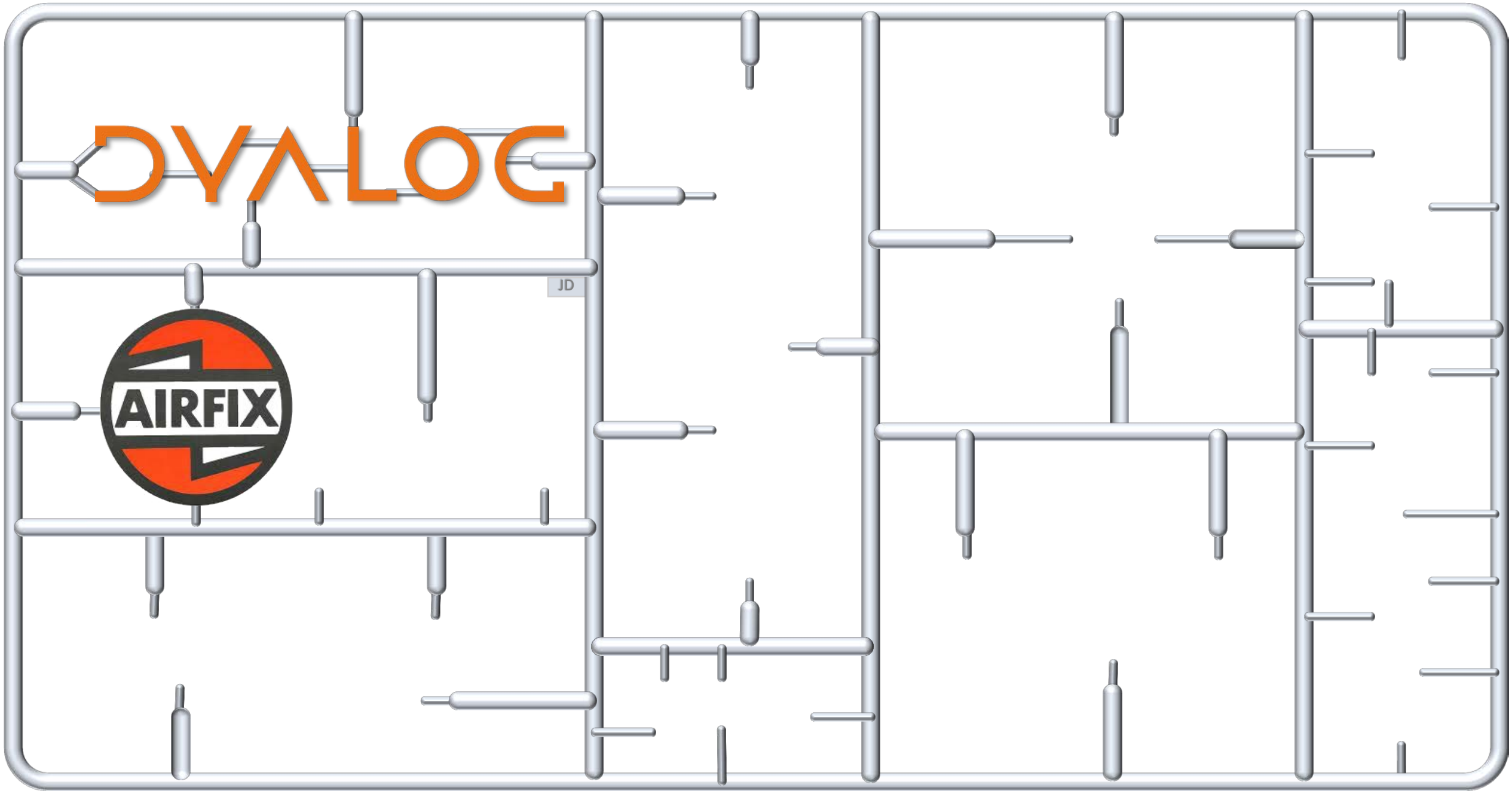


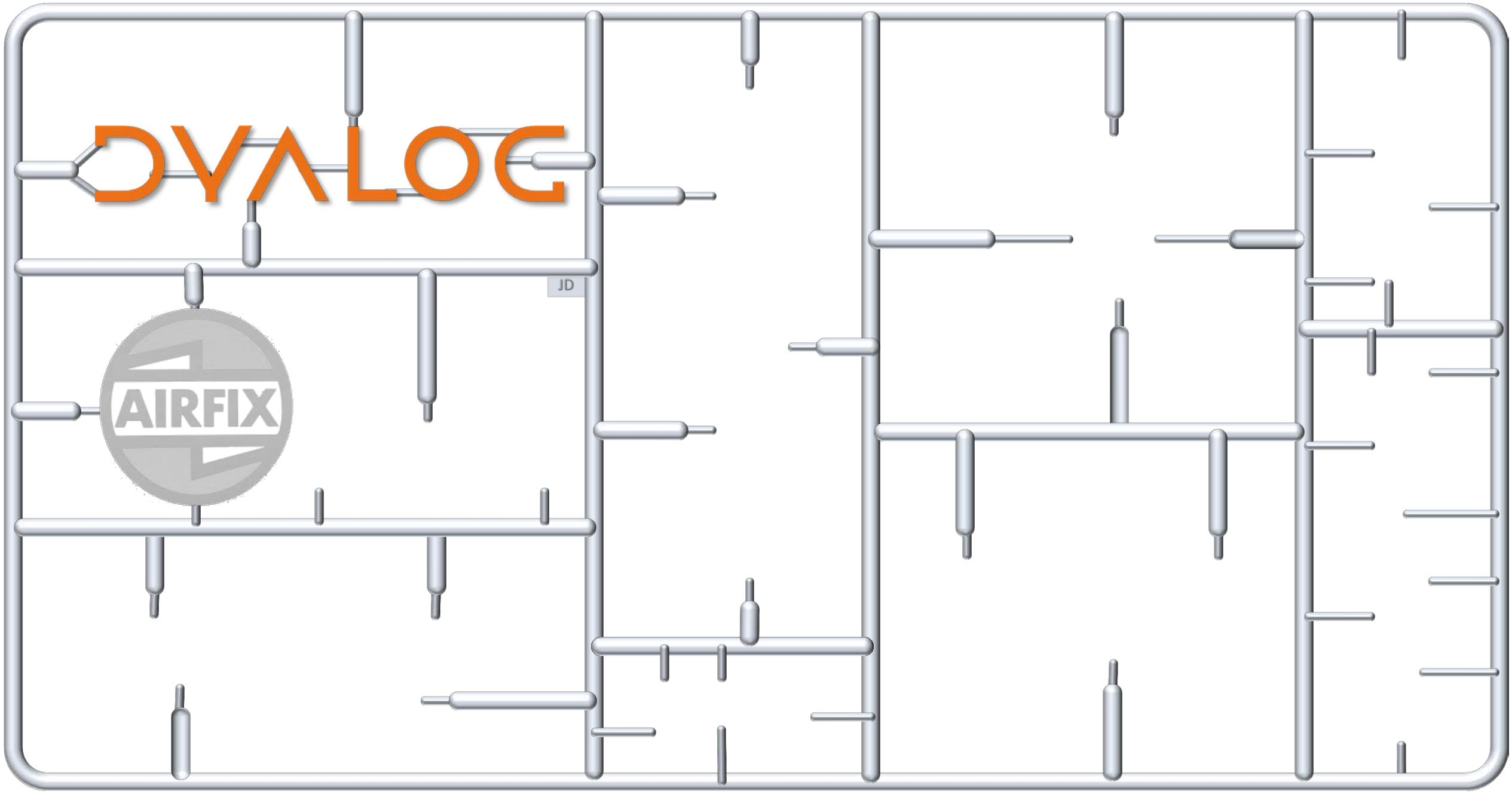
8

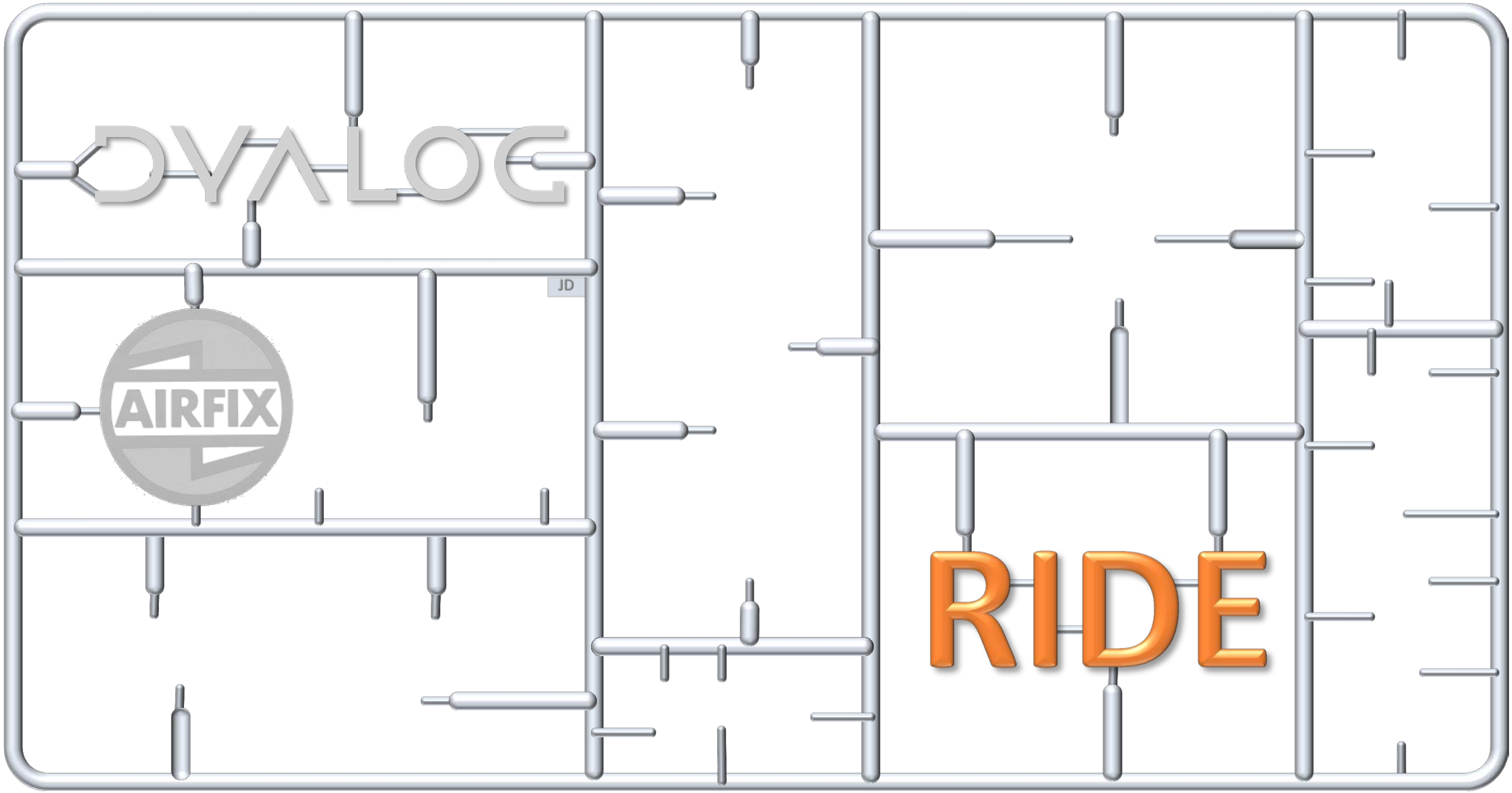
plastic model kits …

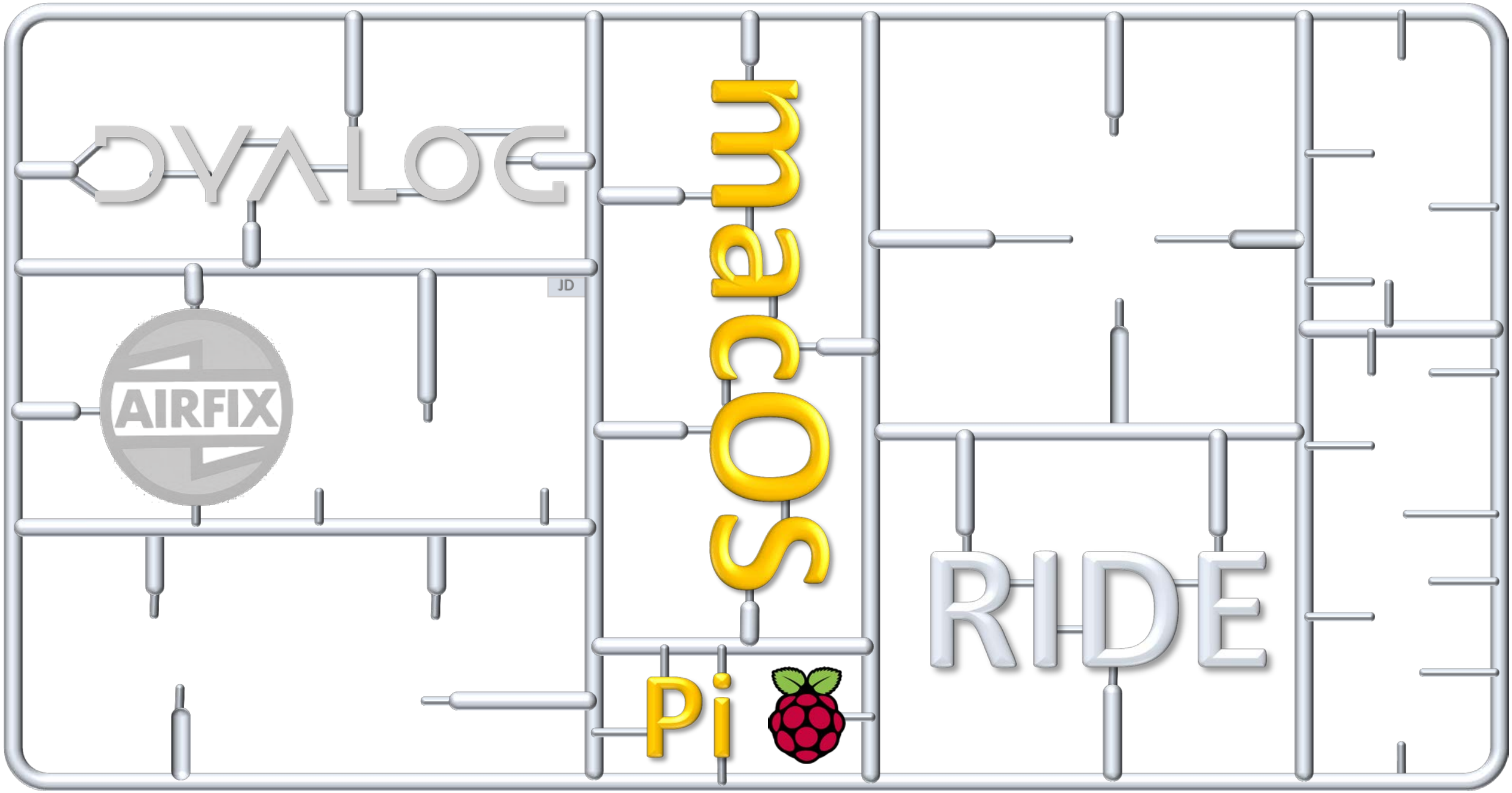
… are like computer programming

DYALOG


DYALOG
JD
AIRFIX


DYALOG
JD
AIRFIX

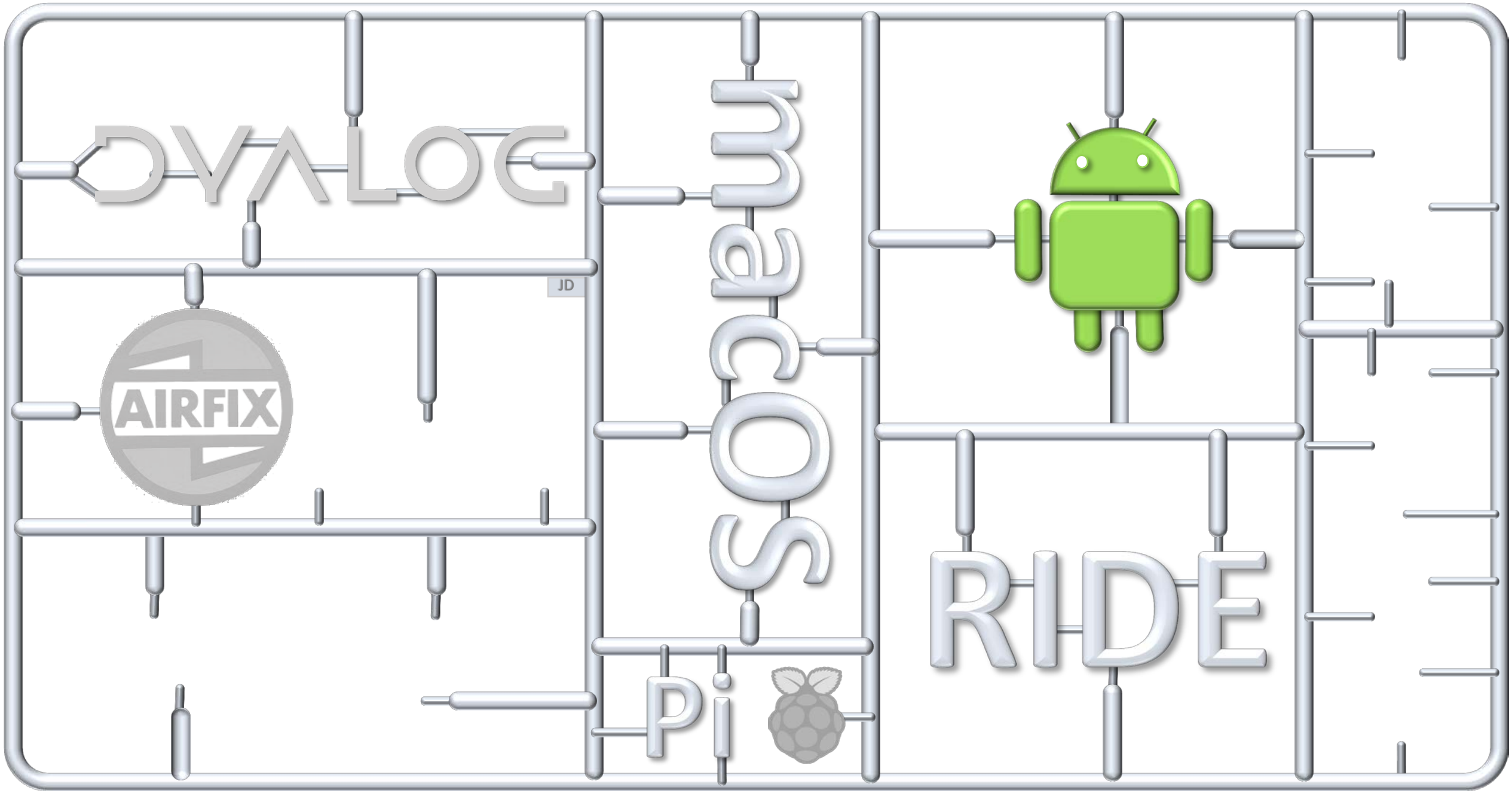

DYALOG
JD
AIRFIX
RIDE


DYALOG
JD
AIRFIX
SOCAM
Pi
RIDE

UNIX

RIDE on MacOS

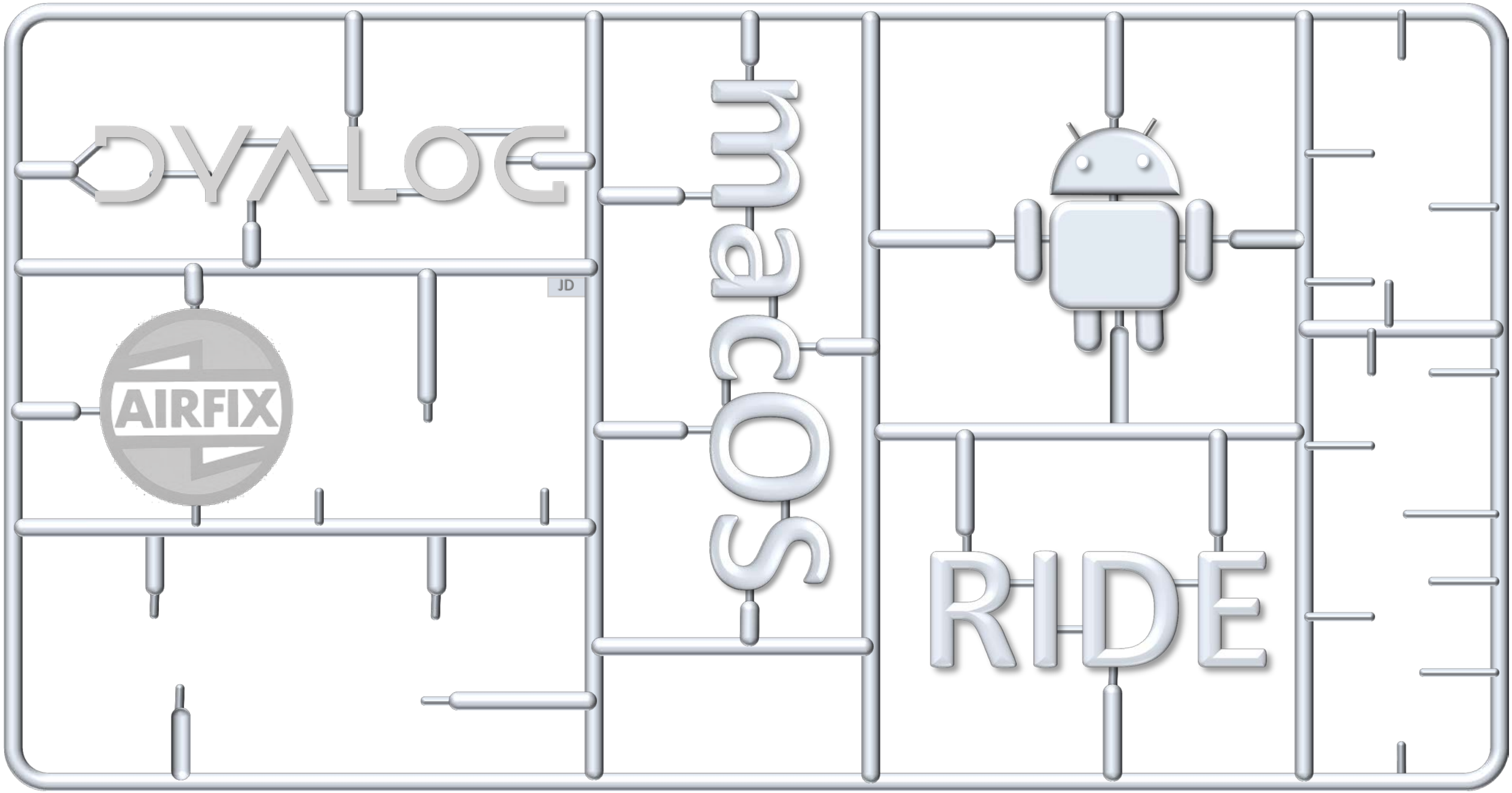
UNIX is ”everywhere”

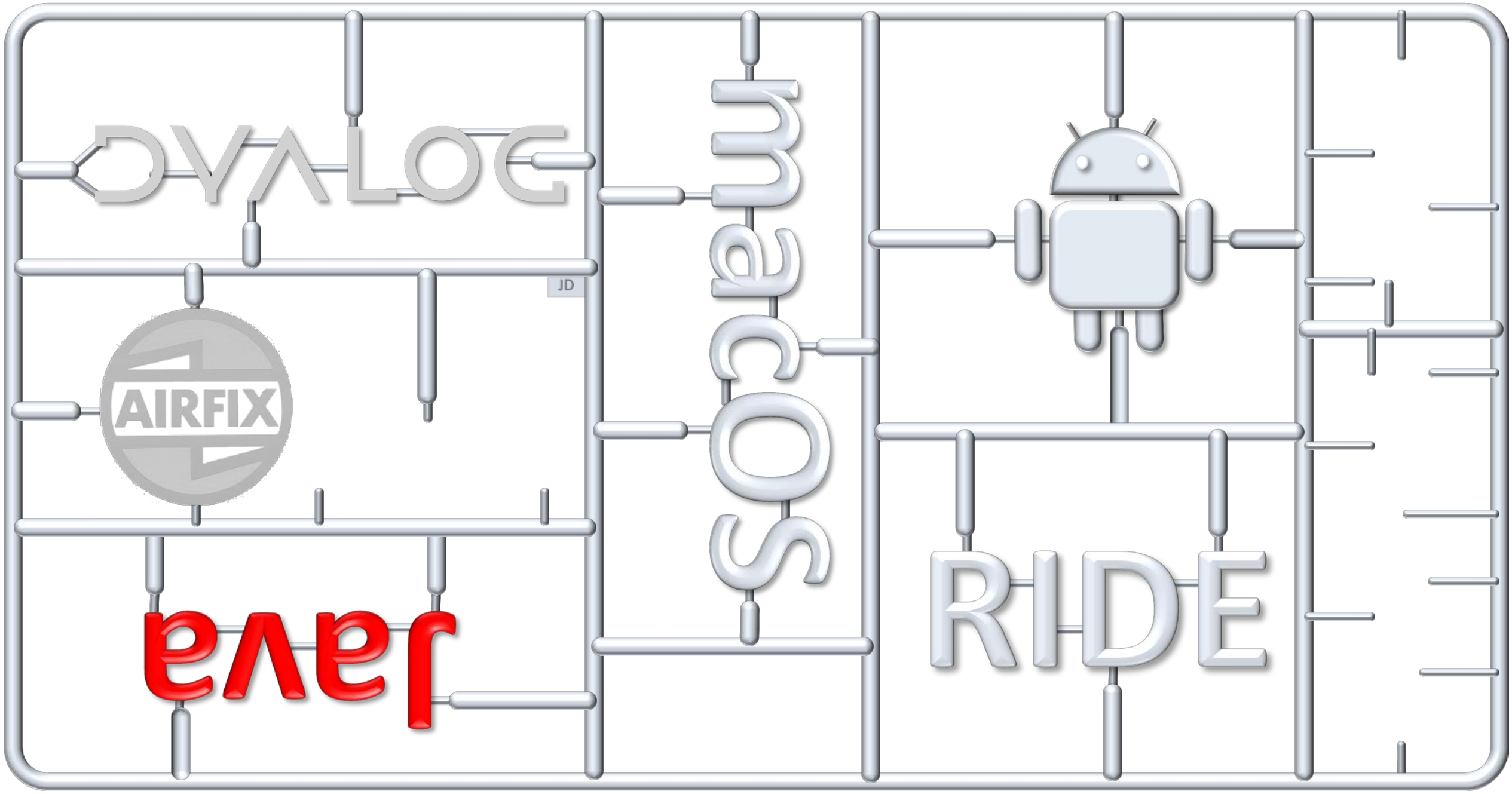

DYALOG
JD
AIRFIX
SOCAM
Pi
RIDE

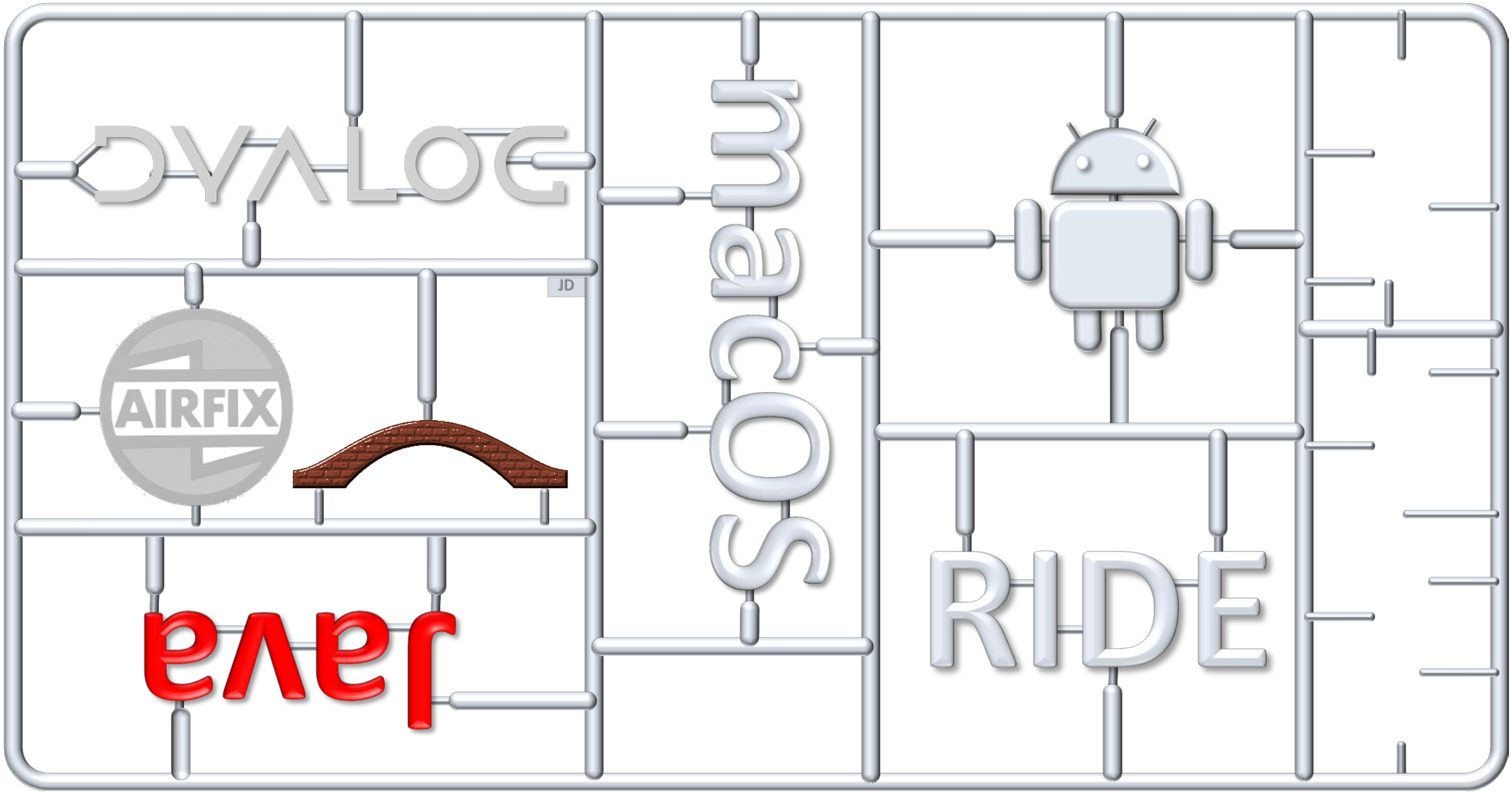
4:30
Google
Play Store

Object Models for Android Development

- Java
  - Portable development and (sort of) deployment
    - Java can also be used on macOS, Windows and Linux desktops
- HTML
  - An APL-centric appoach
  - Cordova
  - Portable development and deployment
- Xamarin
  - Shared model with iOS.
  - Microsoft owned.
  - Windows only development (iOS and Android deployment)
- A Dyalog portable object model
  - As portable as we can make it


DYALOG
JD
AIRFIX
socam
RIDE


DYALOG
JD
AIRFIX
Java
socaml
RIDE


DYALOG
JD
AIRFIX
socaml
RIDE
Java

4:30
Google
Play Store

DYALOG
JD
AIRFIX
Java
macOS
RIDE
Data Binding

filtering strings

Anatomy of a bind

4:30
Google
Play Store

```
MySource←⎕NS''

MySource.Filter←''
MySource.FilteredList←0⍴⊂''
MySource.DyalogNames←DyalogNames
src←2015⌶'MySource'
src.onElementChanged←'element_changed'

win←ReadXaml InputWithBindingXaml
win.Show
win.DataContext←src
```

```
[1]  StringFilter←⎕NS''
[2]  StringFilter.Filter←''
[3]  StringFilter.Strings←DyalogNames
[4]  StringFilter.Filtered←0⍴⊂''
[5]  src←2015⌶'StringFilter'
[6]  src.setOnElementChangedListener⊂'element_changed'
[7]
[8]  ad←⎕NEW StringFilterAdapter
[9]  ad.bindObjectToView
```

```
MySource←⎕NS''

MySource.Filter←''
MySource.FilteredList←0⍴⊂''
MySource.DyalogNames←DyalogNames
src←2015⌶'MySource'
src.onElementChanged← element_changed

win←ReadXaml InputWithBindingXaml
win.Show
win.DataContext←src
```

```
[1]  StringFilter←⎕NS''
[2]  StringFilter.Filter←''
[3]  StringFilter.Strings←DyalogNames
[4]  StringFilter.Filtered←0⍴⊂''
[5]  src←2015⌶'StringFilter'
[6]
[7]
[8]  ad←⎕NEW StringFilterAdapter
[9]  ad.bindObjectToView src v
```

```
MySource←⎕NS''

MySource.Filter←''
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MySource.DyalogNames←DyalogNames
src←2015⌶'MySource'
src.onElementChanged←'element_changed'

win←ReadXaml InputWithBindingXaml

win.DataContext←src
```

```
[1]  String ilter←⎕NS''
[2]  Strin ilter.Filter←''
     tringilter.Strings←DyalogNames
[4]  StringFilter.Filtered←0⍴⊂''
[5]  src←2015⌶'StringFilter'
[6]  src.setOnElementChangedListener⊂'element_changed'
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[8]  ad←⎕NEW StringFilterAdapter
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```

```
MySource←⎕NS''

MySource.Filter←''
MySource.FilteredList←0⍴⊂''
MySource.DyalogNames←DyalogNames
src.onElementChanged←'element_changed'

win←ReadXaml InputWithBindingXaml
win.Show
win.DataContext←src
```

```
[0]  element_changed a
[1]  :If 'Filter'≡2⊃a
[2]      StringFilter.(Filtered←{⍵/⍨{v/Filter⍷⍵}¨⍵}Strings)
[3]  :End
```

```
[1]  StringFilter←⎕NS''
[2]  StringFilter.Filter←''
[3]  StringFilter.Strings←DyalogNames
[4]  StringFilter.Filtered←0⍴⊂''
[5]
[6]  src.setOnElementChangedListener⊂'element_changed'
[7]
[8]  ad←⎕NEW StringFilterAdapter
[9]  ad.bindObjectToView src v
```

```
<Window
   xmlns="http://schemas.microsoft.com/winfx
   xmlns:x="http://schemas.microsoft.com/win
   SizeToContent="WidthAndHeight"
   Topmost="true">
   <StackPanel>
      <TextBox Name="filter" Margin="5" Text=
Filter,Mode=TwoWay,UpdateSourceTrigger=Prop
      <WrapPanel>
         <ListBox Name="all" Width="135" Heig
ItemsSource="{Binding DyalogNames}"/>
         <ListBox Name="filtered" Width="135'
ItemsSource="{Binding FilteredList}"/>
      </WrapPanel>
   <TextBlock Text="Dyalog WPF Demo" Margir
   </StackPanel>
</Window>
```

```
<LinearLayout
   xmlns:a="http://schemas… "
   a:orientation="vertical"
   a:background="@color/colorDyalog">

   <EditText
      a:layout_width=“match_parent"
      a:layout_height=”wrap_content"
      a:id="@+id/filter"
      a:layout_margin="5dp"/>
      <LinearLayout
         a:orientation="horizontal”>
         <ListView
            a:layout_width="0px"
            a:layout_height="fill_parent"
                        a:id="@+id/strings"
            a:layout_margin="5dp"/>
      <ListView
         a:layout_width="0px"
         a:layout_height="fill_parent"
               a:id="@+id/filtered"
         a:layout_margin="5dp"/>

   </LinearLayout>
</LinearLayout>
```

```
<Window
    xmlns="http://schemas.microsoft.com/winfx/
    xmlns:x="http://schemas.microsoft.com/win
    SizeToContent="WidthAndHeight"
    Topmost="true">
    <StackPanel>
        <TextBox Name="filter" Margin="5" Text=
Filte                Way,UpdateSourceTrigger=Prop
        <WrapPanel>
            <ListBox Name="all" Width="135" Heig
Items                ing DyalogNames}"/>
            <ListBox Name="filtered" Width="135"
ItemsSource="{Binding FilteredList}"/>
        </WrapPanel>
        <TextBlock Text="Dyalog WPF Demo" Margin
    </StackPanel>
</Window>
```

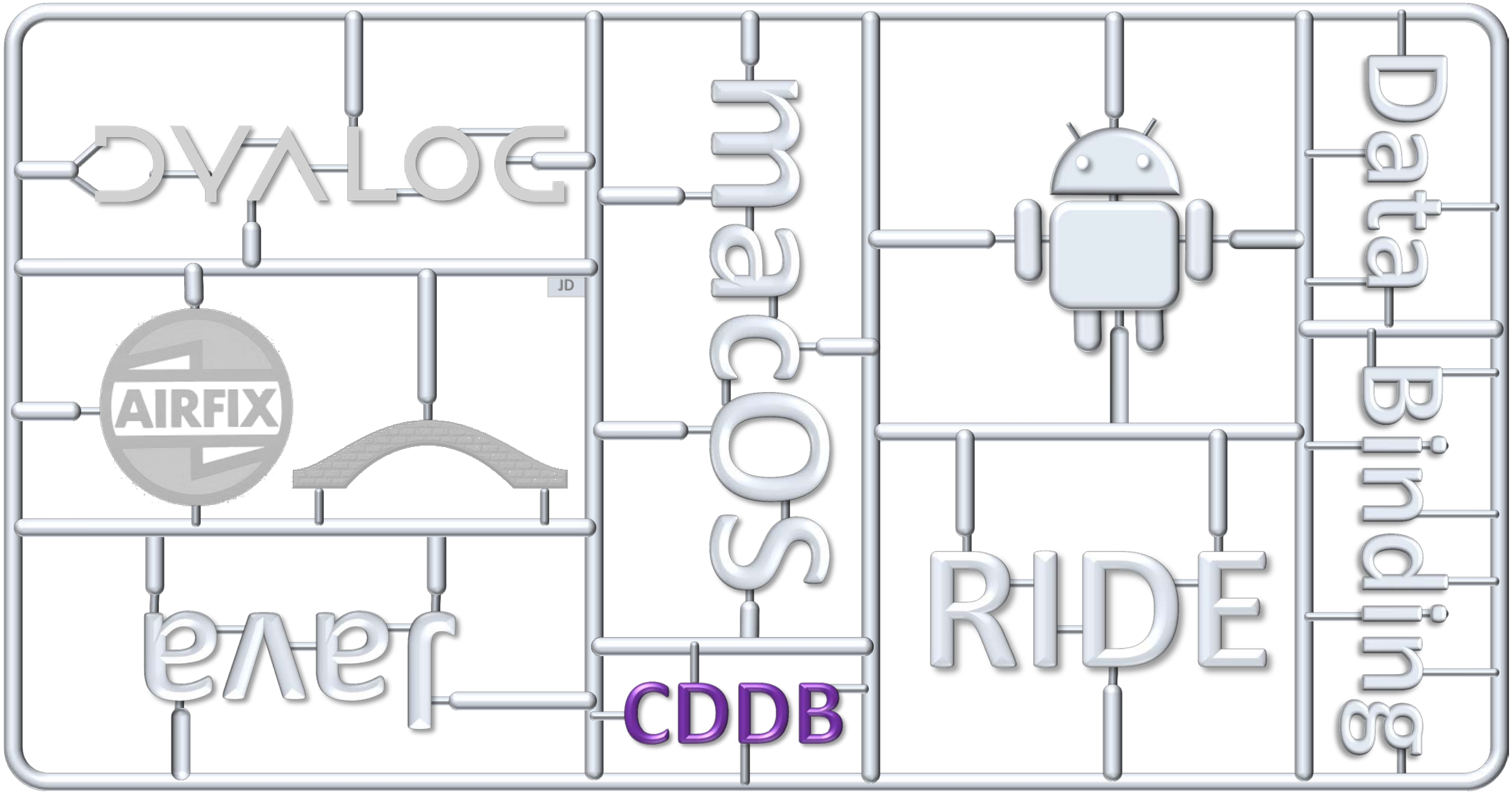
```
<LinearLayout
    xmlns:a="http://schemas… "
    a:orientation="vertical"
    a:background="@color/colorDyalog">

    <EditText
        a:layout_width=“match_parent"
        a:layout_height=”wrap_content"
        a:id="@+id/filter"
        a:layout_margin="5dp" />
        <LinearLayout
            a:orientation="horizontal”>
            <ListView
                a:layout_width="0px"
                a:layout_height="fill_parent"
                a:id="@+id/strings"
                a:layout_margin="5dp"/>
        <ListView
            a:layout_width="0px"
            a:layout_height="fill_parent"
            a:id="@+id/filtered"
            a:layout_margin="5dp"/>

    </LinearLayout>
</LinearLayout>
```

Anatomy of a bind

SO...

Tony gave me an idea...

“are you doing anything with the CDDB database thing this year?”

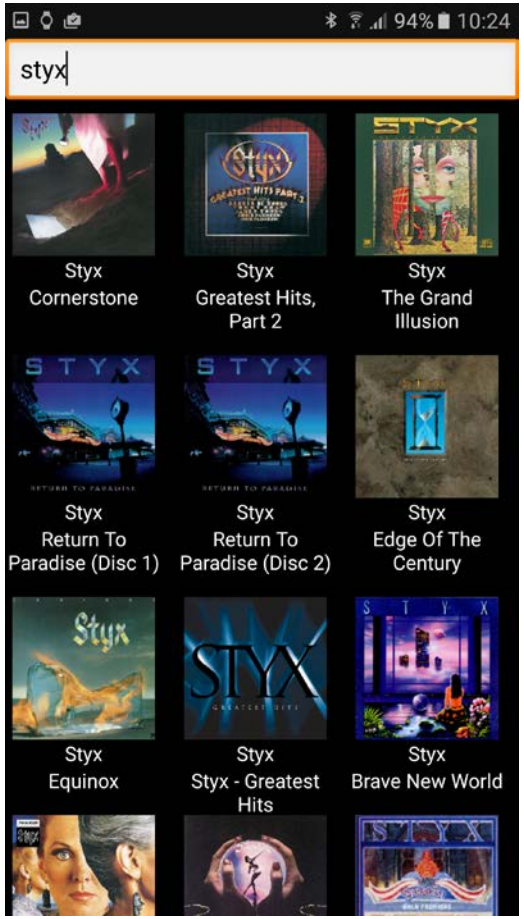

DVALOC
JD
AIRFIX
Java
macOS
CDDB
RIDE
Data Binding

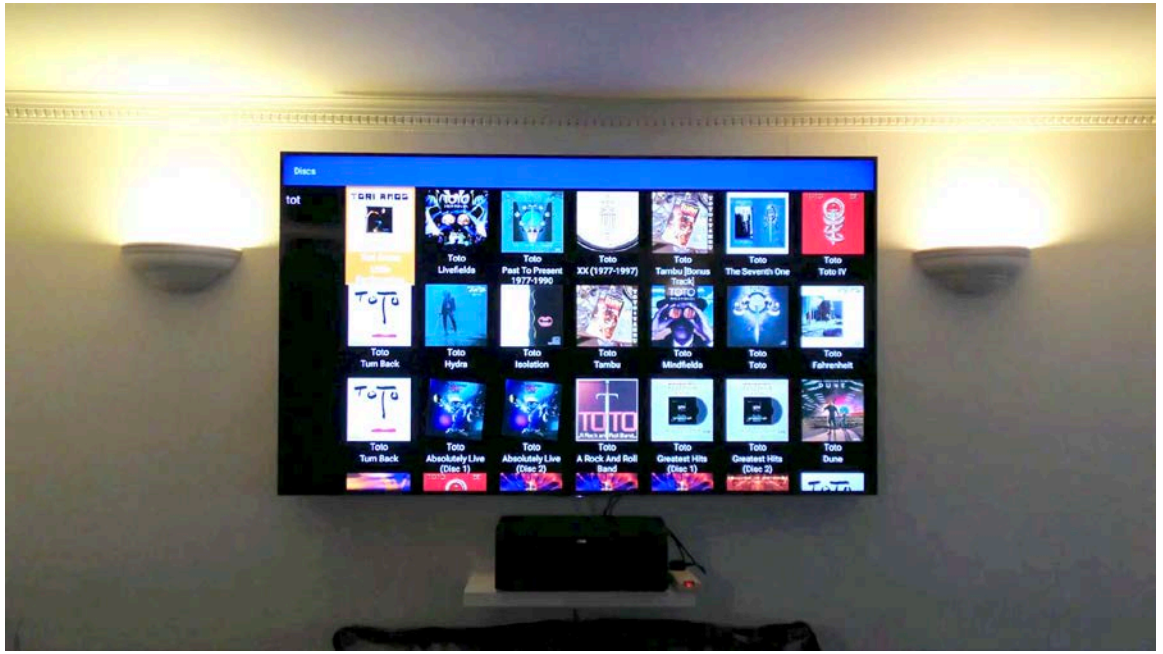
4:30
Google
Play Store

let’s watch a film

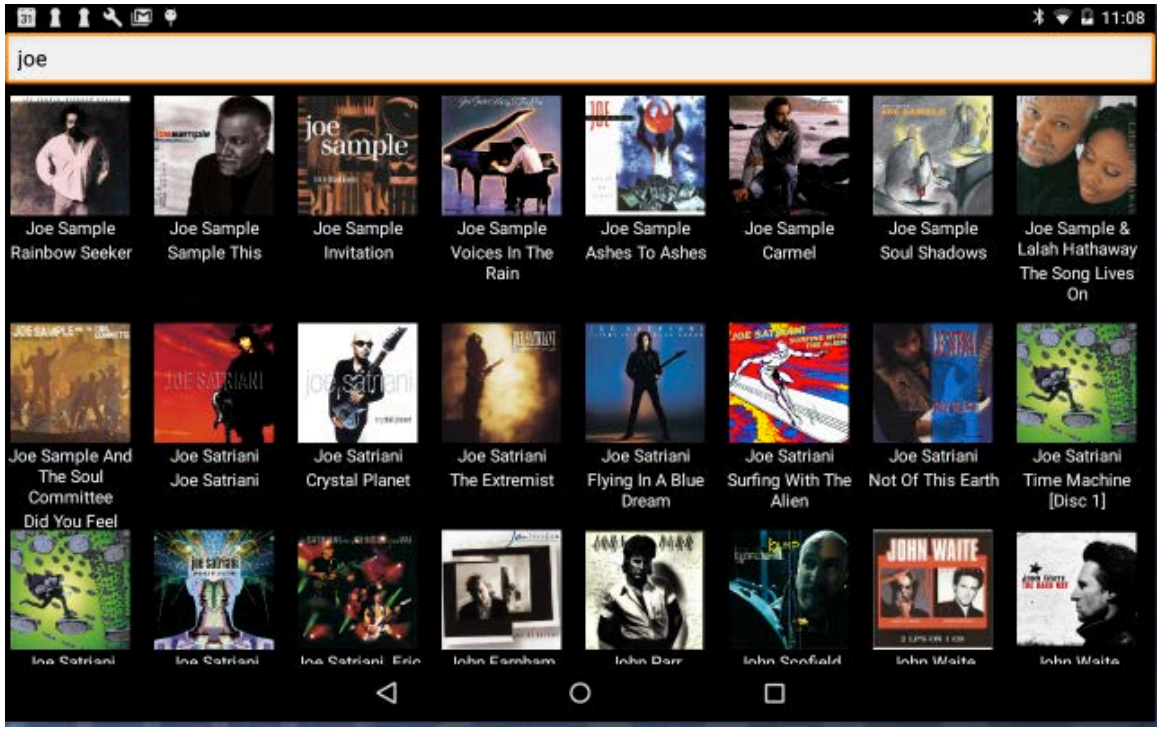
Discs
Jay Graydon Bebop
Past To Present - The 70s
Jaye Foucher Infectious Licks
Contagious Grooves
Jeff Beck Jeff
Jeff Golub Naked City
Jeff Golub Soul Sessions
Jeff Scott Soto Priam
Jeff Wayne The War Of The Worlds
Jeff Wayne The Coming of the Martians
Jeff Wayne The Earth Under The Martians ... Revisited (Original Studio Out-Takes II of
Jeff Waynes The War Of The
Jeffrey Osborne Jeffrey Osborne
Jeffrey Osborne Emotional
Jennifer Batten Above Below And Beyond
Jennifer Batten's Tribal Rage Momentum
Jewel Spirit
Jill Scott Experience: Jill Scott 826+ (Disc 1) (Live)
Jill Scott Experience: Jill Scott 826+ [Live] [Disc 2]
Jim Horn Work It Out
Jim Jihed Full Circle
Jim Peterik & World Stage
Jimmy Nail Take It Or Leave
Jimmy Nail Growing Up In
Joan Osborne Righteous Love
Joan Osborne Relish
Joan Osborne St. Teresa

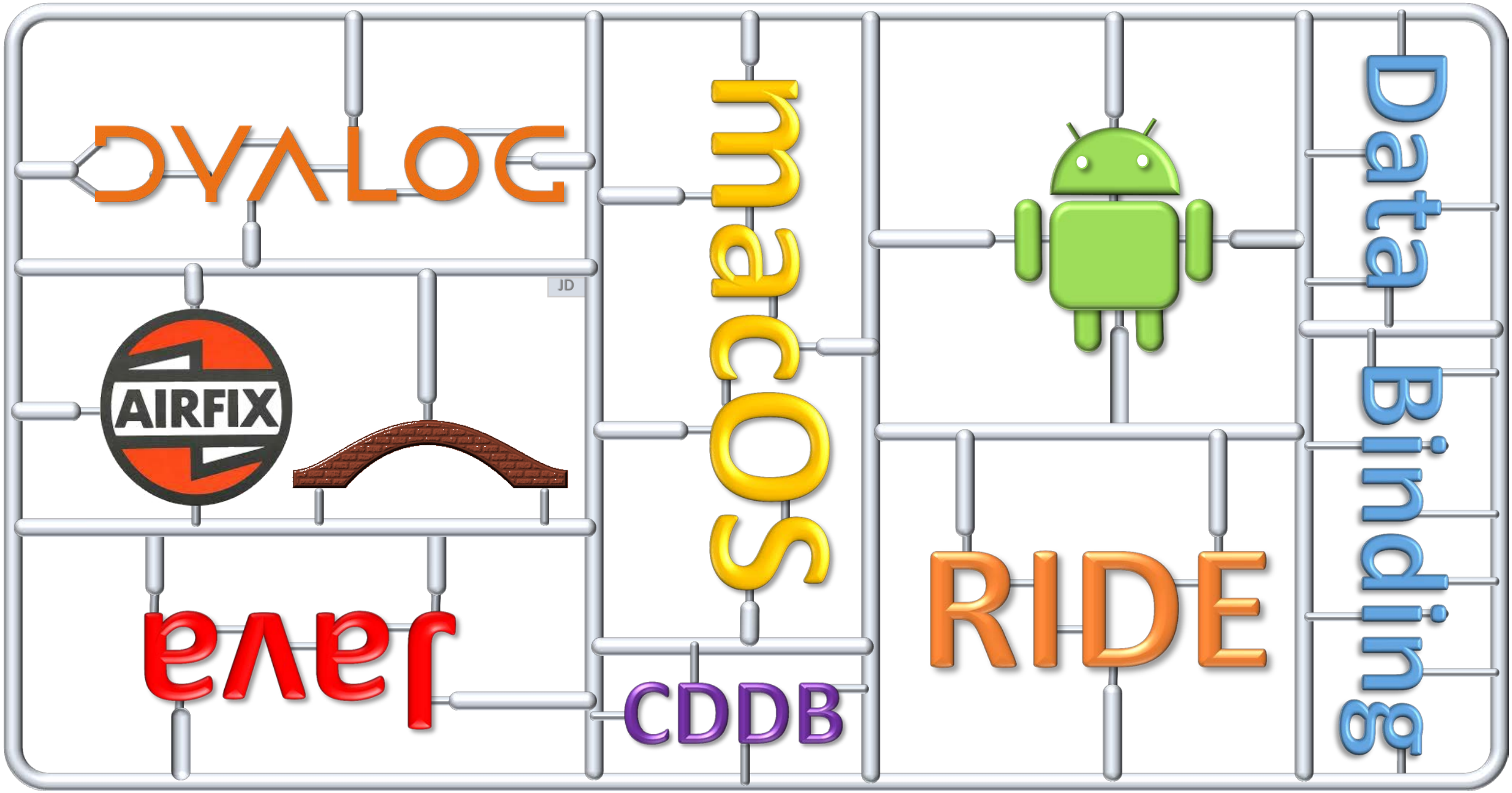
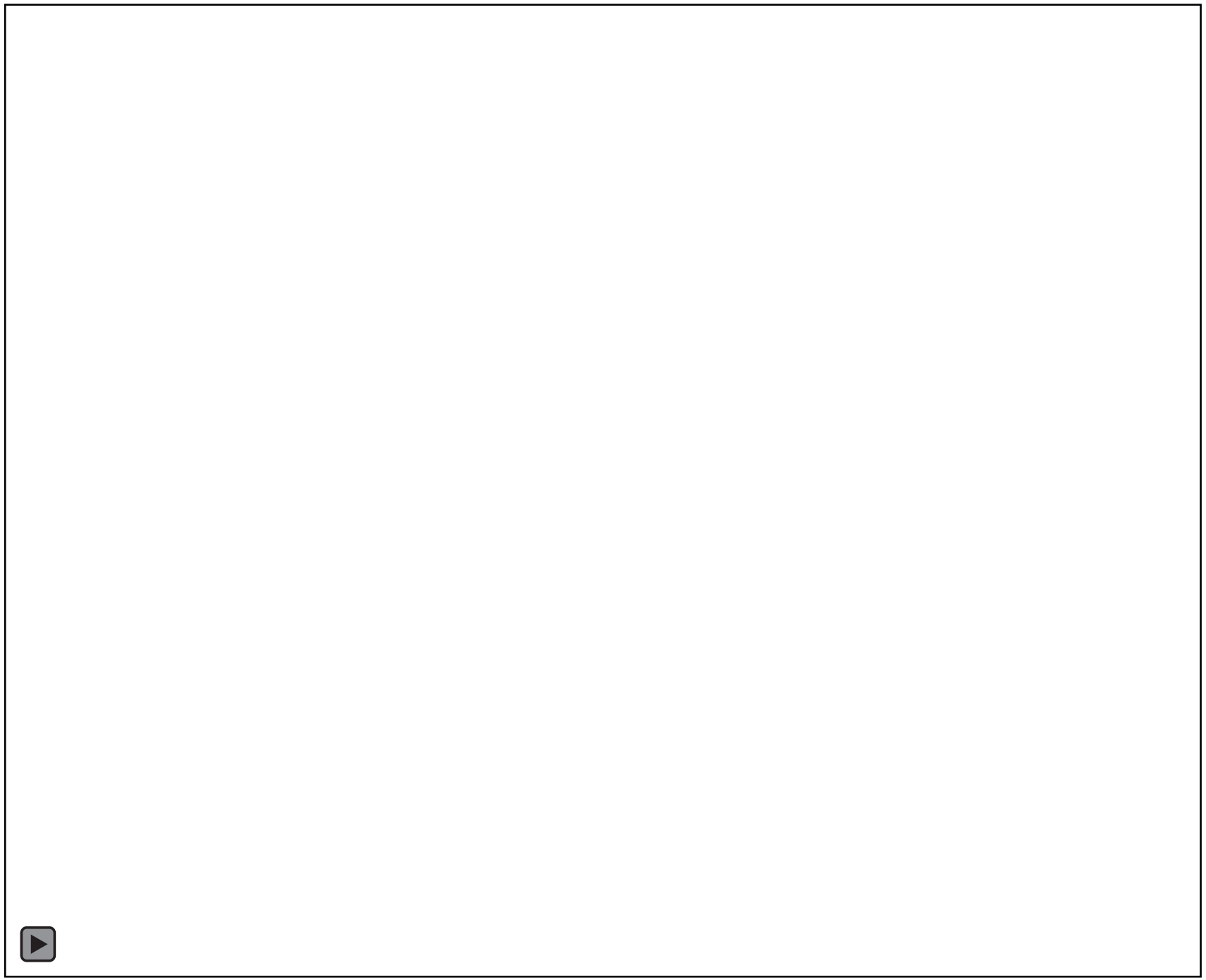
How may people have android phones?


94% 10:24
styx
Styx
Cornerstone
Styx
Greatest Hits, Part 2
Styx
The Grand Illusion
Styx
Return To Paradise (Disc 1)
Styx
Return To Paradise (Disc 2)
Styx
Edge Of The Century
Styx
Equinox
Styx
Styx - Greatest Hits
Styx
Brave New World



Toto
Toto
Livefields
Toto
Past To Present 1977-1990
XX


11:08
joe
Joe Sample
Rainbow Seeker
Joe Sample
Sample This
Joe Sample
Invitation
Joe Sample
Voices In The Rain
Joe Sample
Ashes To Ashes
Joe Sample
Carmel
Joe Sample
Soul Shadows
Joe Sample & Lalah Hathaway
The Song Lives On
Joe Sample And The Soul Committee
Did You Feel
Joe Satriani
Joe Satriani
Joe Satriani
Crystal Planet
Joe Satriani
The Extremist
Joe Satriani
Flying In A Blue Dream
Joe Satriani
Surfing With The Alien
Joe Satriani
Not Of This Earth
Joe Satriani
Time Machine [Disc 1]
JOHN WAITE


DYALOG
JD
AIRFIX
Java
Socaum
CDDB
RIDE
Data Binding