## Release Notes (3.18, 2019?)

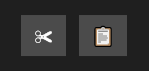
### IOT version is now free!

Best Calculator, IOT version is now fully free! It’s free to download, with no ads, and with no in-app purchases! Enjoy!

This version also supports more down-level Windows 10 phones like the Acer Jade phone that’s less than $150 on Amazon!

### Calculator COPY and PASTE

The calculator now supports both COPY and PASTE in the menu bar at the bottom of the screen. The scissors icon is for COPY and the CLIPBOARD (which used to be copy) is PASTE.



### BC BASIC UI Import and Copy improvements

In BC BASIC, when you IMPORT a file, the new file is placed at the top of the list of packages not at the bottom. When there were just a few pre-made packages, this didn’t matter so much; now there are over 25 packages that come with the IOT edition!

It’s now easy to copy a BC BASIC locked system package to a user package that you can edit. Click the lock icon to show the system package properties and options, and then click the Unlock icon to unlock the package. You’ll be told the name of the new package; it will start off being placed at the top of the list so you can find it easily.

### Variable names can include more characters

Variable and function names can now include a selection of Greek and Coptic letters and a selection of subscripts. Names can start with Greek and Coptic letters, and the rest of the name can include Greek and Coptic letters and the selection of subscripts.

### Array.SetProperty (name, value)

You can now create an array with named fields.

REM Create a data variable with fields

DIM data()

data.SetProperty ("declination", 34)

data.SetProperty ("obliquity", .23)

REM Now print out the information

CLS

PRINT "Get the data declination"

PRINT "declination", data.declination

The resulting output is

Get the data declination declination 34

### New Data object

BC BASIC now includes a Data object that, over time, will have useful tables of information.

#### Data location values

The Data object includes a summary of place names from around the world. Cities must have a population of at least 100,000 people to be included in the list.

location = Data.PickLocation()

Lets the user pick a location; returns an array with properties:

Location.Name  
Location.Latitude  
Location.Longitude

The location

REM Get all the cities called york  
Locations = Data.GetLocations (“York”)

TODO: Show results

### DateTime.Parse (string)

Makes a datetime from the given string

### DateTime.Add (years, months, days, hours, minutes, seconds)

Adds the amounts into a datetime

### DateTime.DayOfYear

For any datetime object, return the day number. For example, January 1st is 1, January 31st is 31, February 1 is 32. The day number will automatically adjust based on the leap year.

### DateTime.HourDecimal

Returns the current hour as a double, including the minutes in a decimal form. For example, if the current time is exactly 2:30 in the afternoon (14:30), the HoursDecimal will be 14.5.

### DateTime.Set (years, months, days, hours, minutes, seconds)

Creates a new DateTime object with the given values

### Graphics.ClearGoTo

Clears the current position used by GoTo and LineTo. Use the ClearGoTo to draw multiple lines with LineTo and GoTo.

### Graphics.YAxisMax and Graphics.YAxisMin

For Screen.GraphXY graphs, the Y axis normally automatically resizes to fit the data. You can override the minimum and maximum values with the graph.YAxisMin and graph.YAxisMax values.

### TODO: Graphics.XAxisVisible 0/1