## Contents

- Installing K-Desktop application .................................................................................................................. 3
- Questions and Contact Details .......................................................................................................................... 3
- Starting K-Desktop ............................................................................................................................................. 3
- First time start up ............................................................................................................................................... 4
- General Settings ................................................................................................................................................. 5
- Data Storage ....................................................................................................................................................... 6
- Installation Folder .............................................................................................................................................. 6
- User Management .............................................................................................................................................. 7
- Cloud Proxy Connection Settings (If required) ................................................................................................. 7
- Importing CSV settings .................................................................................................................................... 8
- General Export Settings ................................................................................................................................... 8
- Photo Export settings ......................................................................................................................................... 8
- ESRI export options .......................................................................................................................................... 9
- GPS Management ............................................................................................................................................. 9
- KML data export (Google Earth) ..................................................................................................................... 9
- Form Designer ................................................................................................................................................... 10
- Creating a new form screen .............................................................................................................................. 11
- Form Attributes ................................................................................................................................................ 12
- Advanced Form functions ................................................................................................................................. 13
- Silent Sync .......................................................................................................................................................... 14
- Review ............................................................................................................................................................... 15
- Background Data Convert ................................................................................................................................ 17
- Importing data .................................................................................................................................................... 17
- Troubleshooting ............................................................................................................................................... 18
Installing K-Desktop application
The preferred way of installing the mobile application is by visiting:

http://k-matic.wix.com/home#!support/ccon

From there you will be able to click on the link, and automatically download and install the application.

![K-MATIC K-Console](image)

**NOTE:** That your web browser may deem this a harmful program, please be aware that you may have to over-rule the warning.

Questions and Contact Details

If you have any questions please email support@korecgroupp.com or alternatively phone 0151-931-6700

Starting K-Desktop
Once installed, tap on the Windows start menu in the lower left corner of the screen and find the K-Desktop Folder

**NOTE:** You can “Drag and Drop” the K-Console icon in order to drag it to a more convenient location on the taskbar.
First time start up

When K-Console first loads it will display the screen below.

![Desktop Console](image)

*NOTE: It may give warnings about unauthorized access, until you have configured the settings (page 5) this message may appear, please do not worry.*

Please press **settings** at the bottom of the page.
General Settings

You should have been provided with a Company Name and Private Key. This must be entered as given as it is linked to the account in the cloud which is where the data is stored during transfer.

Please be aware that the data is only stored in the cloud temporarily, while it is taken from the device and confirmed that it has been downloaded to the K-Console correctly. We DO NOT keep a copy of any of your data.

If you have not received your Company Name or Private Key please email support@korecgroup.com

Alternatively you can use Demo Company as the Company Name and 0000 as the private key.

NOTE: If you use this Demo Company name please be aware the data will be available to everyone so this is not a secure option. As the name suggests this is for recommended for demo/testing only.

The options are:-

Auto start application on machine restart  When Windows starts, so will K-Console
Use K-Cloud for Synchronisation  Send data to the cloud (internet connect required)
Check interval (mins)  How often to check for new data
Use Active Sync for Synchronisation  Use the USB cable connection to send data
Maintain internal asset database  Maintains an internal record of everything. (Recommended)
**Data Storage**

*This section explains how K-Console stores the data*

By default the location will be My Documents > K-matic

There will be the following folders within the K-Matic directory. It checks that they are present on every startup

![Folder Structure](image)

By Default there is no OS data folder, please copy this from the SD card on the device. Please note this folder contains around 14GB of data. By using the files in the OS Data folder it is possible to have a background map in the Review Data screen. (see *Page 15*)

In the **settings** screen there is the section below.

![Settings Section](image)

This is where an alternative location is entered for the software to store its data. You can also specify separate folders for **Forms** and **Exports**

**Installation Folder**

By default K-Desktop installs data in the AppData area of the user profile. An example is below

C:\Users\DEFAULT\AppData\Local\Apps\\

Click on the **Installation Folder** link to see the folder where the executable program is located. This installation folder is where the program is run from. Therefore you can place the install folder in any location you have access rights to. If the program is moved re-create the shortcuts to run from the new location.
**User Management**

As many users as necessary with separate access PINs for each can be added. K-Mobile uses an algorithm to create a PIN code from the number and letters in the username. Therefore if the user has forgotten their PIN it can always be retrieved from the K-Console. The user cannot change PIN codes.

Type in the **User Name** then press **Display PIN**. Make a note of this for your users of K-Mobile.

To save this user to the list press the **Update Details** link.

![User Management Form](image)

Select the **Active** tick box to make this user the one who will receive the next data you send out to the cloud or Active Sync.

It is possible to create separate areas for each user using the Personal Folder section. Email addresses can also be added.

**Cloud Proxy Connection Settings (If required)**

Some large IT networks are run through Proxy servers; K-Console can handle this. Enter the settings required for the proxy server. An IT department should be able to provide you with all the necessary details if this step is required.

![Cloud Proxy Connection Settings](image)
Importing CSV settings

If the import is always going to be the same feature, i.e. Gully then you will force the program to only create Gully features when importing any CSV data file.

When importing data from a CSV file into K-Console, the file might have headings for each individual field. In K-Console there must be a unique identifier for each point

For example: - PointNumber or uKey

General Export Settings

A general setting can be put in place which will look for any new data that has been downloaded and automatically export the data.

Options are: - CSV, TAB, MID/MIF, SHP or No Auto Conversion

Photo Export settings

These are the options as to where the photos will be stored once they are downloaded; and also when the export takes place. Only one option can be selected.

- In the K-matic folder there is an ImageLibrary folder, photos are stored here by default.
- Once exported photos are moved to export folder
- Once exported photos are moved to set folder that isn’t the export folder
- The field which stores the photo name can also include the full path. Please note that this will only be location at the time of export. It will NOT automatically update if the photos are moved afterwards.
**ESRI export options**
Pick from the list for the Projection file that will be associated with your exported data.

**GPS Management**
Pick the co-ordinate system if it is different from OSTN02 which is the default setting.

**KML data export (Google Earth)**

If the KML format is selected for export then Pathfinder Tools will need to be installed. This will not be installed by default. If this is not installed then it will create data that is at 0,0. Please use the contact details (page 3) for further advice.
Pressing on the Form Designer button at the bottom of the screen displays the following screen:

Pick from previously created forms or example forms from the dropdown list.

There are four button options:

- **Create new form**
  - Opens the create new form dialogue.

- **Finish**
  - Closes the new form dialogue.

- **Publish to cloud**
  - Sends the data to the cloud. Please note this must be done even if not using cloud server as it will update the Audit file needed by K-Mobile.

- **Retrieve**
  - Retrieves all the forms that are stored on the cloud. Please be aware that this will overwrites any forms stored locally if named the same. **i.e. if a form is updated but Retrieve is selected instead of Publish to cloud it will retrieve the older version and overwrite the updates.**
Creating a new form screen

On the left hand side of the dialogue fill in the:

- **Feature name**
- **Abbreviation** - what is listed in the data view in K-Mobile
- **Feature Type**
  - **Point** – Single position, either GPS or Pen created
  - **Linear** – Multiple positions either GPS or Pen created and linked together
  - **Area** – Multiple positions, joins last to first to create closed polygon. GPS or Pen created
  - **None** – Feature with no position properties
- **Default Colour** – Pick the colour of the area/line style/symbol
- **Default Style** – Pick the area/line/symbol style displayed of the feature
- **Annotation Options** – Display up to three fields on the map screen
- **Child Features** – Relates one form to another form
**Form Attributes**

Once named, fields can then be added to the feature. These fields can be:

- **Text**: Any character can be added to this field
- **Numeric**: Number only
- **Date/Time**: Date/Time
- **List**: Selection list
- **Photo**: Image option loaded, camera can be activated from here
- **Sketch**: Bitmap sketch can be drawn

**Mandatory option**

Field must be completed before the form can be saved.

**Read Only**

Information is displayed only and **CAN NOT** be altered in the user in the field.

**Default**

The field is completed automatically by K-Mobile depending on the selection made.

For example:

- Date and Time stamp in the date field;
- Length and Area in the numeric field. (Type must be compatible)
**Advanced Form functions**

**Nested features**

If you have a list field before this feature a list based on that field’s answers can be created. Pick the desired field in the Parent field and it should populate the field with the list options for that field.

Create the answers to each option in the parent field.

Please see example below.

![Form example image](image-url)

Field Name: Faults

Description:

Type: List

- Mandatory
- Read Only
- Nested

Parent field: Condition

List Entries:
- Good:
- N/A
- Other
- Roof
- Doors
- Window
- Garden
**Silent Sync**

Send and Retrieve data from the device, via whichever method was earlier selected in the settings (page 5)

If both are selected then it will ask which one is desired for use.

Downloaded data will be displayed via the method used and also by what user created the file.

To view this data please use the Review *(page 15)*
**Review**

Use the Open Job dialogue to open data received from devices.

Please note if you have just received data there might be a short delay before that file appears in the list, please be patient.

If there is an OS Data folder structure in the K-Matic folder then it will display the background mapping behind the recorded data. See example below.

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**Query**

Please select the date range that needs to be queried.
Export

Pick the type from Save as type SHP, DXF, KML, CSV, TAB

Assign

Assign imported data to a user, if they have been created. To create user please refer to user management section (page 7)
Background Data Convert

Select the background files (tif or jpg) for conversion. Once the conversion has taken place the files can be copied on to the device.

Importing data

Data can be imported by dragging and dropping a data file on to the Review data screen. If the file format is recognised the data will be imported automatically.
Troubleshooting

Not syncing data from the cloud

Please check the Company Name is the same as provided by Korec. Try sending to the cloud if the retrieve option fails.

Error message OLE12 database error

This message may appear if Microsoft Access is not installed. K-Console needs the drivers to be able to write to the internal database which keeps track of everything that happens within K-Console. The link below is the Distributable driver for Access.


In the settings screen Internal Database not available may appear if K-Console doesn’t detect the correct drivers.

If you encounter any errors not listed please contact Korec. (Contact details page 3)