

# RF-1031

## Operational Guide

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V2.0

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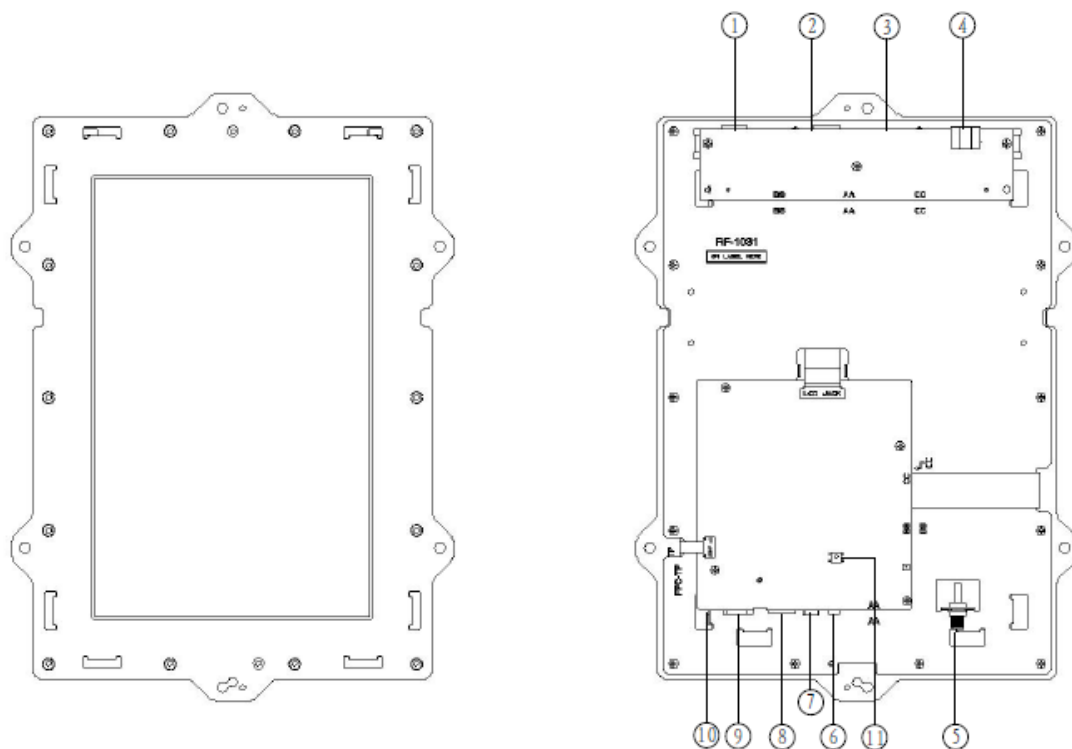
## TABLE OF CONTENTS

<b>Hardware Information.....</b>	<b>1</b>
PRODUCT EXTERIOR .....	1
SPECIFICATION.....	2
<b>Product Operation.....</b>	<b>3</b>
CONNECTORS .....	3
PHYSICAL BUTTON .....	3
SHORTCUT KEYS.....	3
NOTIFICATION BAR AND QUICK SETTING MENU .....	4
CONNECTION WITH PC.....	5
DESKTOP AND MENU .....	6

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# Hardware Information

## Product Exterior



- 
- 1.USB Interface
  - 2.USB Interface
  - 3.SD card Interface
  - 4.Ethernet Interface
  - 5.Antenna Interface

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- 6.Earphone Interface
  - 7.Mini USB Interface
  - 8.USB Interface
  - 9.HDMI Interface
  - 10.DC In Interface
  - 11.Reset Button
-

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## Specification

Detailed Specification	
<b>Power Supply (DC In)</b>	
Voltage	12V
Current	2A
<b>LCD / Touch Screen</b>	
Dimension	10.1”
Resolution	1920*1200
Touch Points	5 points capacitive
<b>CPU / Memory</b>	
CPU	RK3288 Quad-core
Clock Speed	1.8GHz
RAM	2GB
ROM	8GB
<b>Operating System</b>	
System	Android 5.1
<b>Connections</b>	
Wi-Fi	Supported, 802.11/b/g/n
USB Host	× 3
SD Slot	× 1
RJ45	× 1
HDMI	× 1
Bluetooth	Supported
<b>Product Body Info</b>	
Dimensions	302*220*22.45mm
Weight	600g

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# Product Operation

## Connectors

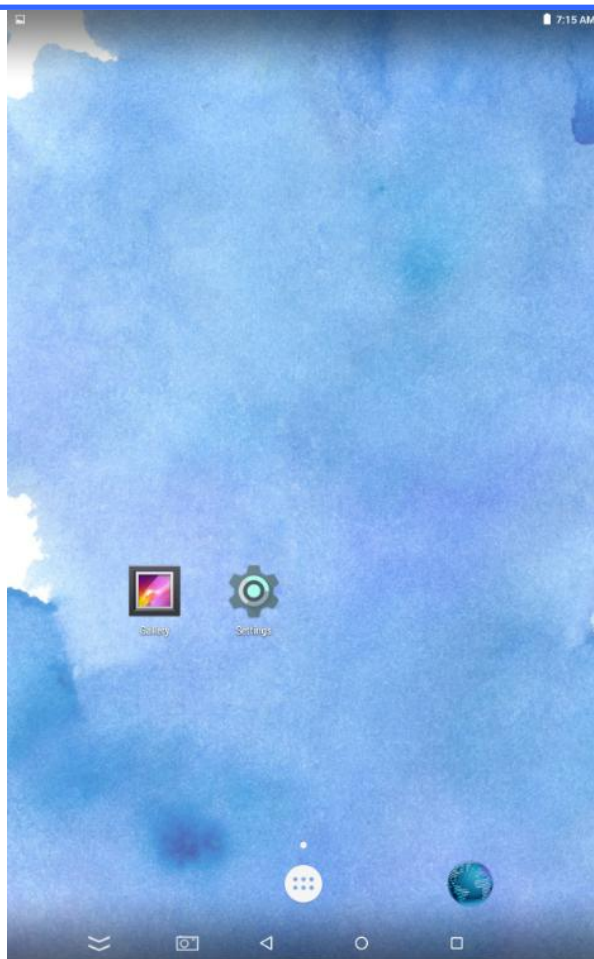
- USB Port: supports one USB device, such as a USB keyboard or mouse. It also serves as the communication port between the tablet and the PC.
- TF Card Slot: supports the reading/writing of a Micro SD Card (up to 32GB).
- HDMI Slot: connects the tablet to an external display.
- Ethernet Port: connects the tablet to a WAN

## Physical Button

No	Name	Function
1	Reset Button	Resets the Tablet

## Shortcut Keys

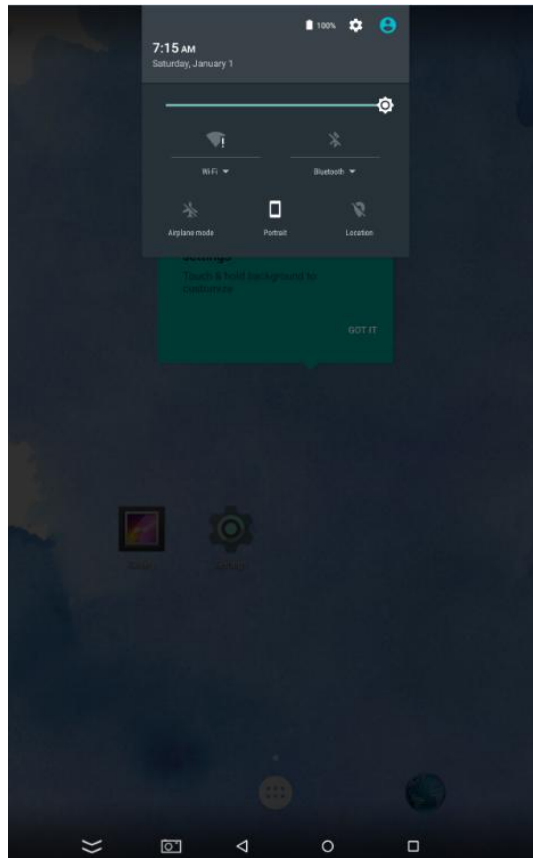
There are 5 shortcut keys on the System UI:



Icon	Function
	Hide the menu bar
	Go back to the previous screen
	Return to the desktop
	Cycle through the active programs
	Screen capture

## Notification Bar and Quick Setting Menu

The notification bar and quick setting menu will appear at the top of the screen after swiping down from the top of the screen :

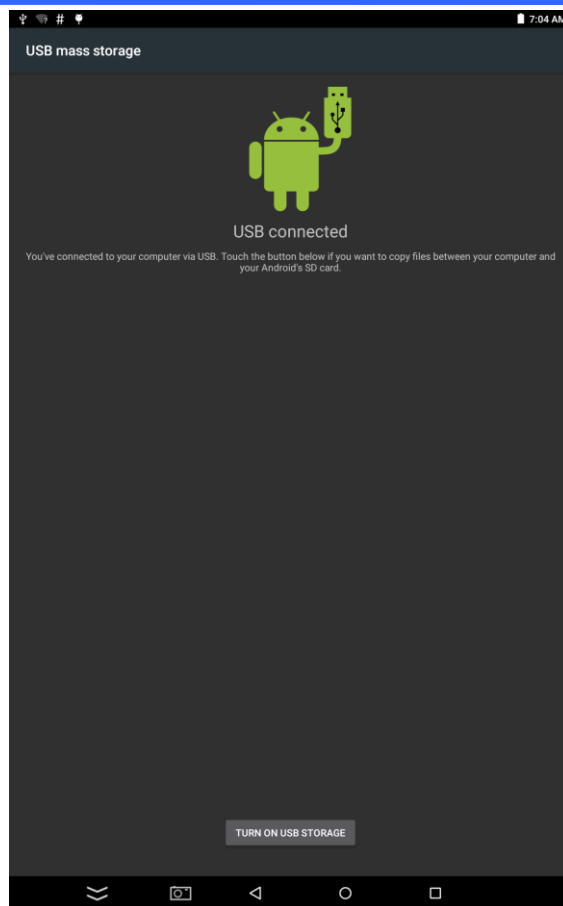


Information regarding the current state of the tablet and its latest notifications will appear here. The quick setting menu allows for convenient access to change the configuration of a handful of selected settings (e.g. Screen brightness, WiFi Access and Airplane Mode).

## Connection with PC

Follow the steps below to establish a connection between the tablet and the PC:

1. Connect the tablet with a PC using the USB interface.
2. A new message will appear on the notification bar to notify the user of an attempted link between the tablet and a PC. Click on the message to enter a new interface screen (see picture below) which asks for the user's permission to connect the tablet with the PC.
3. Click on "TURN ON USB STORAGE" to enable the connection.



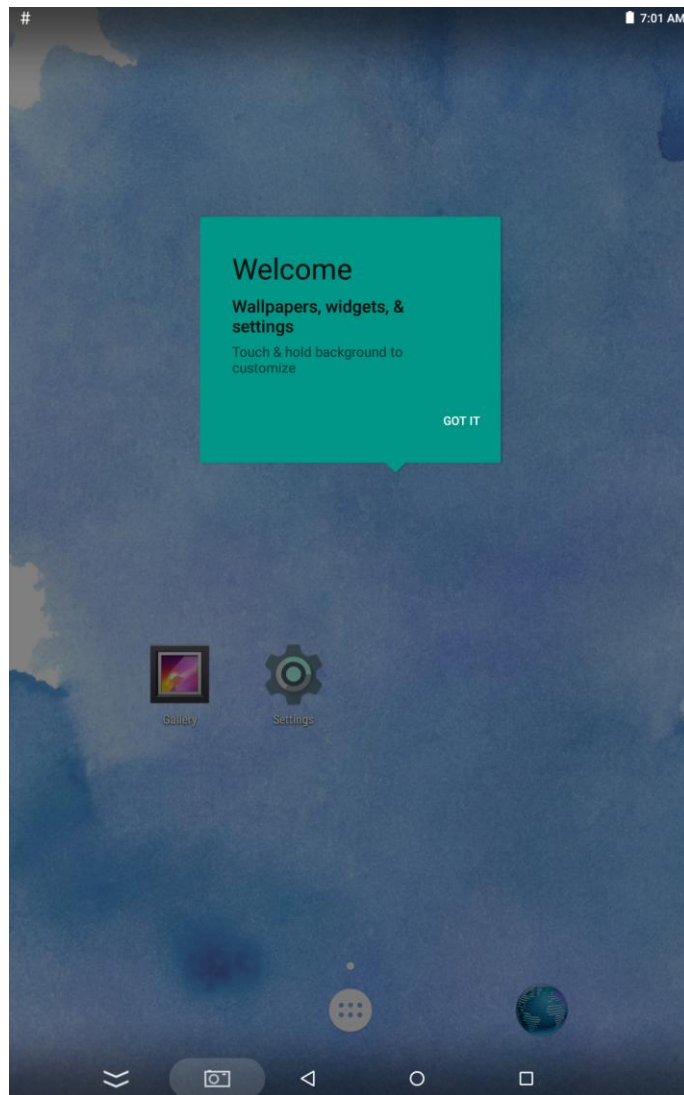
After a connection has been established, the filesystem of the tablet can be accessed by the PC.

To disconnect the tablet from the PC, click on “TURN OFF USB STORAGE” in the Notification Bar and unplug the USB cable.


## Desktop and Menu

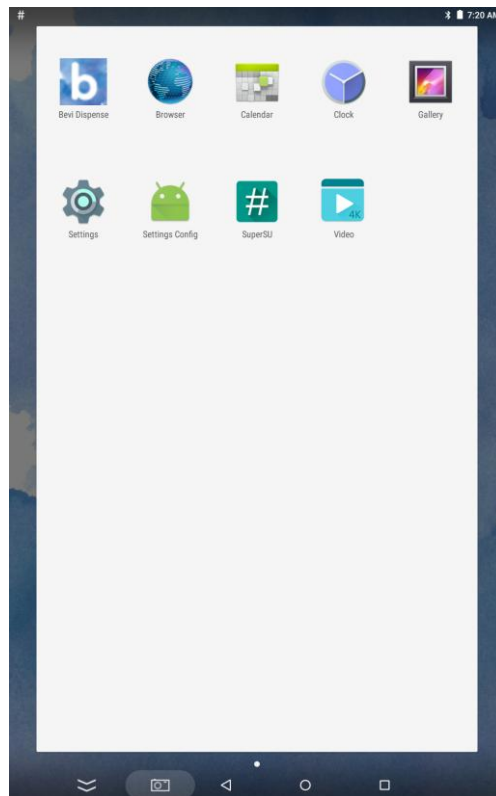
A screenshot of the desktop is shown below :





The APP icons on the desktop can be repositioned or erased by holding down on the screen for a brief duration.

The menu button  will allow the user to access the APP menu as shown below:



A quick guide on some of the installed system apps are set out below:

- Gallery: used for the previewing and viewing the stored image files on the tablet as well as those from an external source (e.g. Micro SD card)
- Video: used for the playback of multimedia video files
- Browser: used for internet browsing
- Setting: used to configure or view the settings of hardware (such as WiFi / Bluetooth / Storage Space etc) and software functions (such as active or running apps, accessibility settings, etc)

With the exception of the system apps, any third party apps that are installed on the tablet can be removed by holding down on the screen for a brief duration.

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- The distance between user and products should be no less than 20cm.

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This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada . Son fonctionnement est

soumis aux deux conditions suivantes :

- ( 1 ) Ce dispositif ne peut causer d'interférences ; et
- ( 2 ) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

The distance between user and products should be no less than 20cm

la distance entre l'utilisateur et les produits devraient être au moins 20 cm

# Bevi V1.00



## Embedded Tablet Installation Build Procedure Rev.A

This machine is installed inside the large fixed equipment, the antenna is fixed on the shell of the device, the distance between the user and the antenna is greater than 20cm





## STEP 1: Install EMBEDDED TABLET SUBASSEMBLY

Do NOT perform this Build Procedure until the following Procedures are completed:

- Water Supply Installation
- Embedded Tablet Subassembly

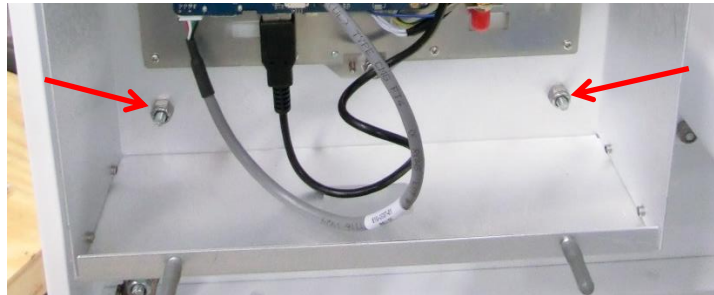
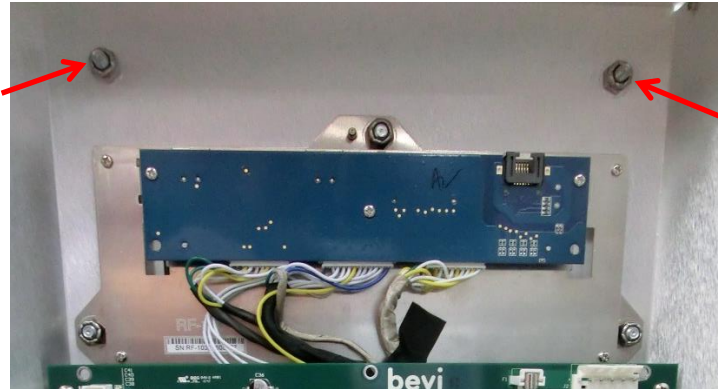


- a) Install onto the (4) studs on the  
DOOR (left of REFILL STATION):  
(1) EMBEDDED TABLET  
SUBASSEMBLY

using:

(4) NYLOC NUT, #10-32, SST  
(HXN1032-NYSTOP-SS)

- Install with blue board up as  
shown



4X NYLOC  
NUT,  
#10-32



## STEP 2: Install ANTENNA

- a) Carefully install onto the BULKHEAD  
END of the COAX CABLE (at the rear of  
the machine):  
(1) ANTENNA  
(furnished with EMBEDDED TABLET)
- Install horizontal as shown



- b) Fold over ANTENNA at its hinge point  
c) Rotate FOLDED ANTENNA until it  
points down as shown
- Rotate CW to prevent loosening  
ANTENNA





## STEP 3: Place TABLET FOAM for later packaging

- a) Place (2) pieces of TABLET FOAM onto a BIB SHELF
- FOAM furnished with EMBEDDED TABLET and is retained from EMBEDDED TABLET subassembly
  - FOAM used in the final packaging of the completed system



PROCEED TO *Pump Panel Installation*





# Bevi V1.00 Build Procedure: Embedded Tablet Installation



## DOCUMENT REVISION HISTORY

Note: Current text changes are highlighted **yellow**, changed images have yellow borders.

REV	DESCRIPTION	RELEASED BY	APPROVED BY	DATE
A	INITIAL RELEASE			11/2016