Nextion Kit Quick Start Guide

The Nextion Kit has all of the capabilities of the ZUMspot all packaged up in a nice clear case with a Nextion display on top.

Setup:

- Make sure the SD card is installed in the Raspberry Pi 3B
- Install the antenna into the RF connector. There is an opening on the top which is where the antenna goes.

Here is a completely setup Nextion Kit



Powering up:

- Plug in the USB micro power cable to your Nextion Kit. Then plug the cable into the wall adapter and insert that into an AC outlet.
- If the Nextion Kit doesn't power up, then press the switch on the cable and it should power up now.



Setup Pi-Star:

WiFi:

- Power up the Nextion Kit.
- After 3 minutes, scan for WiFi access points from your phone or laptop. One should appear with the name "**Pi-Star-Setup**"
- Connect to it. When asked for the Wi-Fi password type in: raspberry
- After 3 minutes, go to your web browser (Chrome, Firefox, etc.) and connect to the website: <u>http://pi-star</u> (for Windows, Linux and Android devices <u>http://pi-star.local</u> (for OS X and iOS devices)
- You should see this page.

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	Heathame: pi star		P-Star 3-4.17 / Deshboard: 20190119	
		Pi-Star Digital Voice Dashboard for	MIABC	
			Dashboard Admi Configuration	
		No Mode Defined		
		I don't know what mode I am in, you probaly just need to configure	me.	
		You will be re-directed to the configuration portal in 10 secs		
		in the mean time, you might want to register on the support page here: https://www.facebook.com/groups/pistarusergroup/ or the Support forum here: https://forum.pistar.uk/		
		Pi-distr / Pi-distr Dearboard, & Andy Taylor (MMDMA2) 3314-2019. HttD/IdEateney Dearboard by Tan-takel (COMM), HttD/IdEateney Dearboard by Tan-takel (COMM), Head hald/ Citch here for the Processor Group of Calk Jonet April 1916 30 doget Planet		
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- Go to *Configuration*
 - You will be asked to put in the default username which is "**pi-star**" and the default password which is "**raspberry**"

• Select "Configure WiFi" and then click on "Scan for Networks (10 secs)"

Node Callsign:	M1ABC				
Radio Frequency	438.800.000	MHz			
Latitude:	50.00	degrees (positiv	re value for No	orth, negative for South)	
Longitude:	-3.00	degrees (positiv	e value for Ed	ist, negative for West)	
Town:	Town, LOC4TOR				
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Longitude:	-300 degrees (positive value for East, negative for West)
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- Select your WiFi SSID and enter your password.
- Click on "Save (and connect)" to save the WiFi configuration

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Select PIXEL 2.4GHz Ch1 -83 dBm WPA2-PSK (AES)
Select PTXEL GUEST 2,4GHz Ch1 -85 dBm WP42-PSK (AFS)
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Select WGI 2.4GHz Ch6 -88 dBm WPA2-PSK (TKIP) with WPS
Select DIRECT-B6-HP Officejet 5740 2.4GHz Ch6 -90 dBm [WPA2-PSK-CCMP][WPS][ESS][P2P]

- Reboot your Nextion Kit
- Now you can continue on the "**Configuration**" section below.

Ethernet:

• Connect Ethernet cable to the Nextion Kit and then turn on the power.



- After 3 minutes, go to your web browser (Chrome, Firefox, etc.) and connect to the website: <u>http://pi-star</u> (for Windows, Linux and Android devices <u>http://pi-star.local</u> (for OS X and iOS devices)
- You should see this page.

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	You will be re-directed to the configuration portal in 10 secs		
	In the mean time, you might want to register on the support page here: https://www.facebook.com/groups/pistarusergroup, or the Support forum here: https://forum.pistar.uk/	/	
	PF-Star (In-Star Dashbourt, & Andry Taylor (MMDMV2) 2314-2013. ard:C605teney Dashboard by Han Audit (OAV11). MSDMV5ard Analysiski by Lan Audit (OAV11). Shar (Cala bank to juit the Graphert Parum). Gel yand cay of H-Star Parum Bues.		

- Go to "Configuration"
 - You will be asked to put in the default username which is "**pi-star**" and the default password which is "**raspberry**"

Configuration:

• Change the Node Callsign to your own, set the "Radio/Modem Type" to "ZumSpot - Raspberry Pi Hat (GPIO)", set the "System Time Zone" to your timezone, and set the "Dashboard Language" to the language you prefer.

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	Dasnooard Admin Expert Power Opdate Backup/Restore Pactory
Hostname	Gateway Hardware Information
pi-star 4.9	0.35-v7+ Pi 3 Model B (1GB) - Stadium 0.49 / 0.18 / 0.06 47.8°C / 118
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Setting	Value
Controller Software:	ObstarRepeater OMMDVMHost (UV-Mega Minimum Firmware 3.07 Required)
CONCROTTER Mode.	Apply Changes
	Abbis cualdes
	General Configuration
Setting	Value
Hostname:	In-star
Node Callsign:	KIEZUM
Radio Frequency:	438.800.000 MHz
Latitude:	50.00 degrees (positive value for North, negative for South)
Longitude:	-3.00 degrees (positive value for East, negative for West)
Town:	Town, L0C4T0R
Country:	Country
URL:	http://www.mw0mwz.co.uk/pi-star/
Radio/Nodem Type:	ZumSnot - Respherry Di Hat (GDIQ)
Node Type:	Private Public
System Time Zone:	America/Los Angeles
Dashboard Lanauaae:	english us
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6.00	Firewall Configuration
Dashboard Access	Private Opublic
ircDDBGateway Remote:	Private Opublic
SSH Access:	OPrivate OPublic
Auto AP:	On Off Note: Reboot Required if changed
uPNP :	©0n ○0ff
	Apply Changes
	Wireless Configuration
	witeress configuration
Refresh Reset WiFi Adapter	Configure WiFi
	Wireless Information and Statistics

- Click "Apply Changes" when you are done
- When everything reloads, you will need to re-set the "Radio/Modem Type" to "ZumSpot -Raspberry Pi Hat (GPIO)" and click "Apply Changes" again.

Configuration (example to enable D-Star):

• Now you can turn on D-Star by selecting the "D-Star Mode" switch and clicking "Apply Changes"

		192.168.1.34	Ċ
			Pi-Star:3.4.17 / Dashboard: 2019011
Pi	-Star Di	igital Voice - Con	figuration
		Dashboard Admin Expert	Power Update Backup/Restore Factory Rese
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Hostname Ke	nel Platform CPU Load CPU Te		
pi-star 4.9	35-v7+	Pi 3 Model B (1GB) - Stadium	0.17 / 0.13 / 0.08 43.5°C / 110.3°F
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Controller Software:	DStarRepe	ater • MMDVMHost (DV-Mega Minim	um Firmware 3.07 Required)
Controller Mode:	 Simplex N 	ode Ouplex Repeater (or Half-	Duplex on Hotspots)
		Apply Changes	
		MMDVMHost Configuration	
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D-Star Mode:		RF Hangtime: 20	Net Hangtime: 20
YSF Mode:		RF Hangtime: 20	Net Hangtime: 20
P25 Mode:		RF Hangtime: 20	Net Hangtime: 20
NXDN Mode:		RF Hangtime: 20	Net Hangtime: 20
YSF2DMR:			
YSF2NXDN:			
YSF2P25:			
DMR2YSF:		Uses 7 pre	fix on DMRGateway
DMR2NXDN:		Uses 7 pre	fix on DMRGateway
POCSAG:		POCSAG I	Paging Features
MMDVM Display Type:	Nextion	Port: Modem 😋 Nextion	Layout: ON7LDS L3
		Apply Changes	
Satting		General Configuration	
Hostname:	pi-star	Do not add suffixes such as	local
Node Callsign:	KI6ZUM		
Radio Frequency:	434.600.000	MHz	
Latitude:	50.00	degrees (positive value for N	North, negative for South)
Longitude:	-3.00 degrees (positive value for East, negative for West)		
Town:	Town, LOC4TOR		
Country:	Country		
URL:	http://www.mw	/0mwz.co.uk/pi-star/	🔿 Auto 💽 Manual
Radio/Modem Type:	ZumSpot - Ra	spberry Pi Hat (GPIO)	•
Node Type:	• Private	Public	
System Time Zone:	America/Los_/	Angeles 🗘	
Dashboard Language:	english_us	`	

Finished:

Once you have completed the Pi-Star configuration you can start using the Nextion Kit to connect to D-Star, DMR and other networks.



There is more information on configuring and using Pi-Star in this document. <u>https://amateurradionotes.com/images/1-Playing_with_Pi-Star.pdf</u>

Support:

MMDVM Yahoo group: https://groups.yahoo.com/neo/groups/mmdvm/conversations/messages

Pi-Star support forum: https://forum.pistar.uk/

Pi-Star Facebook support group: https://www.facebook.com/groups/pistar/

Pi-Star Wiki: http://wiki.pistar.uk

ZUM Radio Facebook group: https://www.facebook.com/groups/249802742395450/