

Upgrade manual

Radio Hotspot upgrade instructions



The Swiss army knife for Digital Voice

DVMEGA Cast

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General

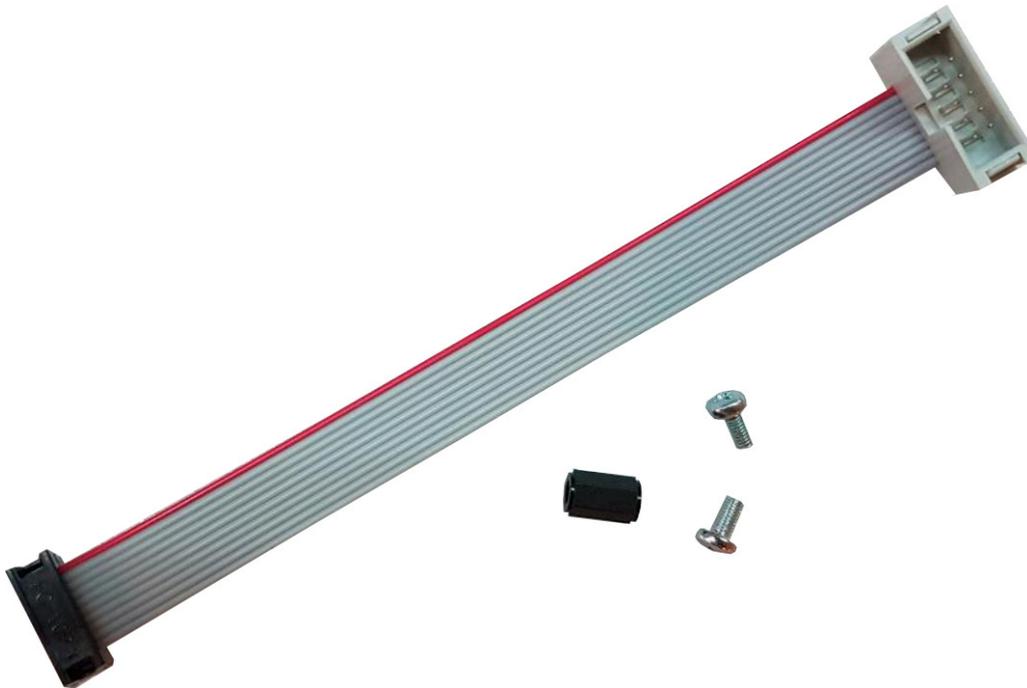
The DVMEGA Cast is equipped with an option connector to which a Radio Hotspot can be connected. This manual explains you how this option is placed and configured.

Read the user manual completely and carefully before use. The user manual is part of the product and contains important information for correct use.

Keep this user manual. The user manual must be available for uncertainties and passing the product.

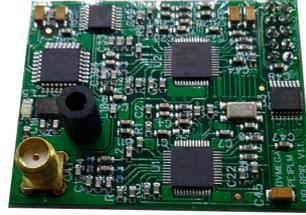
The upgrade kit contains the next parts :

- Flatcable
- M3 X 10 Spacer
- 2 pcs screw M3 X 6



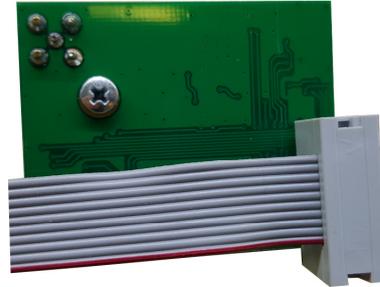
Preparation

Mount spacer on Radio board.

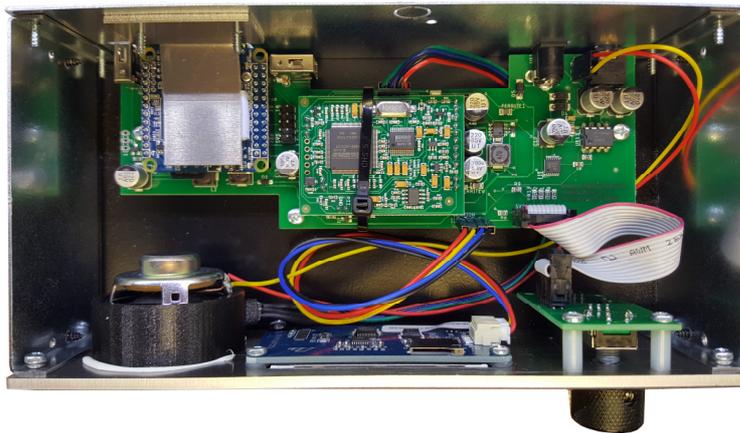


Connect ribbon cable to Radio board.

Attention ! Orientation of ribbon cable. Red wire must be towards the side of the board.



Remove the top cover, remove 2 screws on each side of the device.



Remove knock out on back of the device.



Preparation

Mount Radio board in the device.



Place ribbon cable on option connector as shown on next photo.

Attention ! Red wire must be towards the back of the device.



Now you can replace the top cover.

Configuration

The configuration is easy accessible with a standard browser. Just enter "pi-star" in your URL bar.

the next screen will be shown.

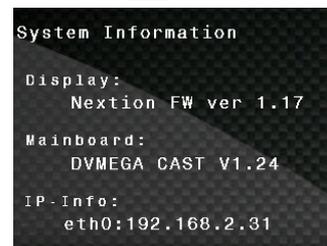
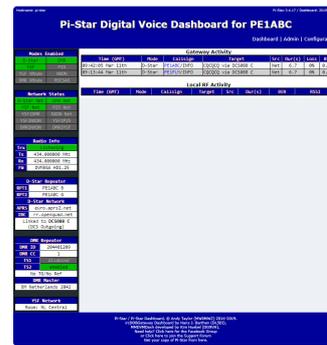
It is possible that the hostname can not be resolved in your network. Then you have to go via the IP address.

You can find the assigned IP address on the INFO screen on your DVMEGA Cast.

Press INFO to show IP Info.

Now enter the shown IP (192.168.2.31 as an example) in your URL bar.

Click Configuration to go to the Configuration page.



Pi-Star: 3.4.17 / Dashboard: 20190205

Pi-Star Digital Voice - Configuration

Dashboard | Admin | Expert | Power | Update | Backup/Restore | Factory Reset

Gateway Hardware Information

Hostname	Kernel	Platform	CPU Load	CPU Temp
pi-star	3.4.113-sun8i	sun8i based Pi Clone	1.77 / 0.94 / 0.36	37°C / 98.6°F

The Configuration page is divided in configuration blocks per function. Scroll down to General Configuration.

Setting		Value
Hostname:	■ pi-star	Do not add suffixes such as .local
Node Callsign:	■ PE1ABC	
CCS7/DMR ID:	■ 204401209	
Radio Frequency:	■ ■ 434.000.000	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_LOC4TOR	
Country:	■ Country	
URL:	■ http://www.mw0mwz.co.uk/pi-star/	<input type="checkbox"/> Auto <input checked="" type="checkbox"/> Manual
Radio/Modem Type:	■ DV-Mega Cast Base Radio (Main Unit)	
Node Type:	■ <input checked="" type="radio"/> Private <input type="radio"/> Public	
System Time Zone:	■ Europe/London	
Dashboard Language:	■ english_uk	

Settings marked with a Blue dot are important for this upgrade.

Radio Frequency : Set desired frequency

The Radio Hotspot Mode and the standard DVMEGA Cast Mode cannot be active at the same time. So you operate the DVMEGA Cast or activate the Radio Hotspot function.

If you activate Radio Hotspot Mode :

Radio/Modem Type : select DV-Mega Cast Hotspot - Dual Band or DV-Mega Cast Hotspot - Single Band (depends on your Radio Board). Click Apply Changes.

Now the DVMEGA Cast Mode is disabled and the Radio Hotspot function Enabled.

Attention ! For D-Star, be sure that RPT1 and RPT2 setting are matching your D-Star radio.

General Configuration		
Setting	Value	
Hostname:	<input checked="" type="checkbox"/> pi-star	Do not add suffixes such as .local
Node Callsign:	<input checked="" type="checkbox"/> PE1ABC	
CCS7/DMR ID:	<input checked="" type="checkbox"/> 204401209	
Radio Frequency:	<input checked="" type="checkbox"/> 434.000.000	MHz
Latitude:	<input checked="" type="checkbox"/> 50.00	degrees (positive value for North, negative for South)
Longitude:	<input checked="" type="checkbox"/> -3.00	degrees (positive value for East, negative for West)
Town:	<input checked="" type="checkbox"/> Town_LOC4TOR	
Country:	<input checked="" type="checkbox"/> Country	
URL:	<input checked="" type="checkbox"/> http://www.mw0mwz.co.uk/pi-star/	<input type="checkbox"/> Auto <input checked="" type="radio"/> Manual
Radio/Modem Type:	<input checked="" type="checkbox"/> DV-Mega Cast Hotspot - Dual Band (2m/70cm)	
Node Type:	<input checked="" type="checkbox"/> Private <input type="checkbox"/> Public	
System Time Zone:	<input checked="" type="checkbox"/> Europe/London	
Dashboard Language:	<input checked="" type="checkbox"/> english_uk	

If you like to revert to DVMEGA Cast Mode just change Radio/Modem Type to : DV-Mega Cast Base Radio (Main Unit) and click Apply Changes.

General Configuration		
Setting	Value	
Hostname:	<input checked="" type="checkbox"/> pi-star	Do not add suffixes such as .local
Node Callsign:	<input checked="" type="checkbox"/> PE1ABC	
CCS7/DMR ID:	<input checked="" type="checkbox"/> 204401209	
Radio Frequency:	<input checked="" type="checkbox"/> 434.000.000	MHz
Latitude:	<input checked="" type="checkbox"/> 50.00	degrees (positive value for North, negative for South)
Longitude:	<input checked="" type="checkbox"/> -3.00	degrees (positive value for East, negative for West)
Town:	<input checked="" type="checkbox"/> Town_LOC4TOR	
Country:	<input checked="" type="checkbox"/> Country	
URL:	<input checked="" type="checkbox"/> http://www.mw0mwz.co.uk/pi-star/	<input type="checkbox"/> Auto <input checked="" type="radio"/> Manual
Radio/Modem Type:	<input checked="" type="checkbox"/> DV-Mega Cast Base Radio (Main Unit)	
Node Type:	<input checked="" type="checkbox"/> Private <input type="checkbox"/> Public	
System Time Zone:	<input checked="" type="checkbox"/> Europe/London	
Dashboard Language:	<input checked="" type="checkbox"/> english_uk	