

MMDVM Practic @BI7JTA

DE BI7JTA BLOG EMAIL: bi7jta@gmail.com

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Thursday, August 9, 2018

Pager Setting User Guide 0810

MMDM System Requirement

Pi-Star 3.4.16 or higher

Firmware 1.4.8 or higher



Download

Pager ID programming software, the newest is V3.0.9,
Support Windows XP, Windows 7, Windows 10 (need test)

Programming adapter use CH340 Chip

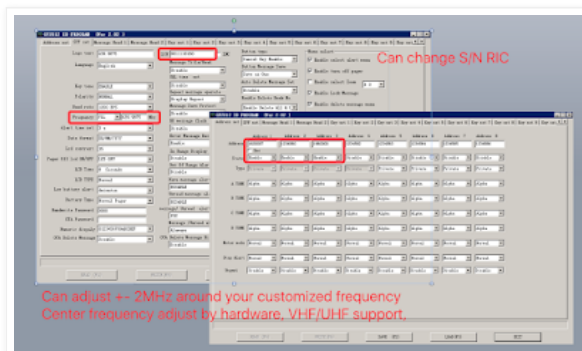
https://www.bi7jta.org/files/POCSAG/ProgrammerV3.0.9_2020_CH340.zip

Programming adapter use Pagerid Chip

https://www.bi7jta.org/files/POCSAG/Programmer_x64x32.zip

Setting

Write your RIC and S/N ,frequency



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▼ April 2021 (3)

Product available for sell #Repeater board V3F4 wi...

Product available for sell #Duplex Model_A : ALC_S...

FTM-100D FTM350 #MMDVM DIAGRAM

► 2020 (2)

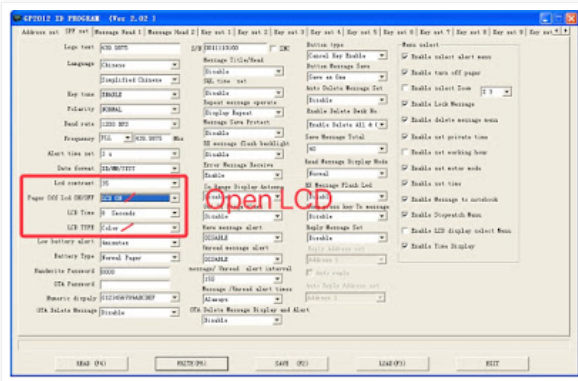
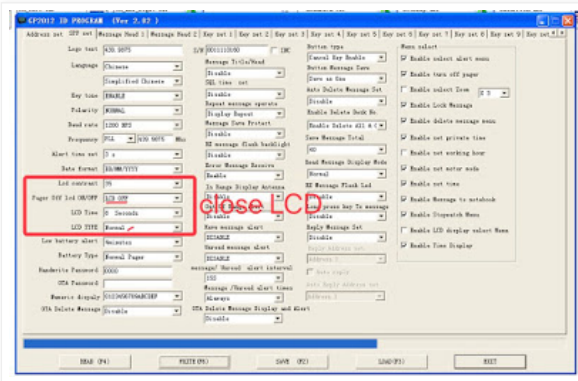
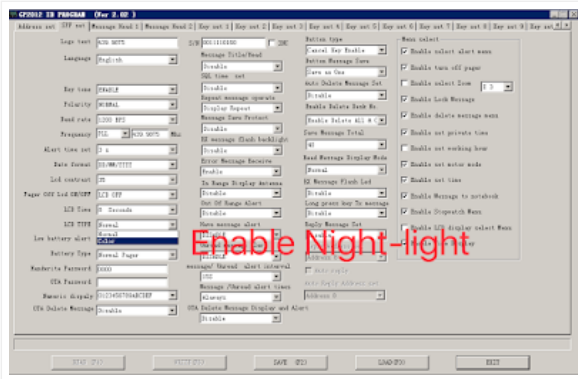
► 2019 (18)

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Enable Night-light



Video for LCD

Pager LCD display



Register your DAPNET account <https://hampager.de/>
 Request your DAPNET Authorkey
 Add your Pager to DAPNET
 Test send message to yourself.

- MMDVM_repeater
- MMDVM_repeater_MRT2000
- MMDVM_repeater_radios
- Model_ALC_SPOT
- Model_Alloy_SPOT
- Nano_hotSPOT
- NANO_HOTSPOT_REVIEW
- Nano_hotSPOT_UserGuide
- NanoPi_NEO
- Navigation
- Nextion
- Nextion_API
- Nextion_Bluetooth
- Nextion_Clone
- Nextion_firmware
- Nextion_MMDVM_Config
- Nextion_Multi_DISPLAY
- Nextion_SSH_flash
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- Simplex_hotSPOT
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Open POC SAG mode

1 and 2 Can not same, JTA duplex HS UHF/VHF support same time

2 Get your Authkey

Setting	Value
POCSAG	POCSAG Paging Features
POCSAG Display Type:	Hexicon 1 Part: 14574.500 1 Hexicon 2 Part: 14574.500 2
Mode:	2-man Do not add suffixes such as .local
Node CallSign:	BI7JTA
CC/DMR ID:	4000000
Radio Frequency RX:	438.755.000 MHz
Radio Frequency TX:	438.755.000 MHz
Latitude:	00.000 Degrees (positive value for North, negative for South)
Longitude:	0.000 Degrees (positive value for East, negative for West)
Time:	A Time: UTC+08
Country:	Country: UK
URL:	http://www.gpr.com/BI7JTA
RadioNode Type:	SDR432-Driver / MMDVM-JS - Raspberry Pi Hat (GPIO) 1 Auto 2 Manual
Node Type:	Private Public 1 2
System Time Zone:	Asia/Chongqing 1
Dashboard Language:	english_us 2

Apply Changes

Setting	Value
DMR Master:	DM-CHRG-REC 2
Transceiver Network:	Network Information Edit Repeater (Broadcast Self-Form)
DMR Color Code:	1 2
DMR Embedded Color:	1 2
DMR Duplex Mode:	1 2

Apply Changes

Setting	Value
POCSAG Server:	dapnet.4u.net:14574.500 1
POCSAG Node CallSign:	BI7JTA
POCSAG Node Frequency:	438.755.000
POCSAG AuthKey:	XXXXXXXXXXXX
POCSAG WhiteList:	

Apply Changes

Run send message to yourself, change the Callsign.

sudo pistar-dapnetapi BI7JTA "Test message 144.5125MHz, RIC 123456"

Enter Expert mode

FW >= 1.4.6

DAPNET password

View the logs

Send message

PI-STAR Digital Voice - Expert Editors

Quick Info: DStarRepeater | INFOCRUISE | MMDVMHost | DMR GW | YSF GW | P25 GW | NEXA GW

Full Info: DMR GW | DStar-Repeater | MMDVMHost | MMDVM-JS | MMDVM-JS | MMDVM-JS | MMDVM-JS

PI-STAR

Send message

Add your Pager RIC to DAPNET, one callsign can add multiple RIC

Subscribers Search your callsign

Edit Subscriber

Subscribers:

Please enter a valid amateur radio callsign of a human or a classifying name of an organisation.
Changing this name will create a duplication and not change the element's name.

Description:

Provide your name or any other useful description of this entry.

Pager:
Add here

1820008

Add one or more lines of pager RIC numbers.

ID Nr.:
Skyper Nr.:

Owner:

An owner of a subscriber association can edit its parameters.

Submit Abort

DAPNET Cals Subscribers Rubrics Transmitters Nodes Users Help

Subscribers

All Subscribers Search your Callsign, then add a RIC

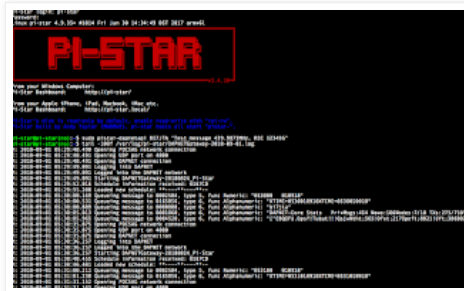
Search

Page 1 of 10

Subscriber	Description	Pager	Owner	Actions
2d7lgr	Gary	---	2d7lgr	---
2d7ufp	David	---	2d7ufp	---
2d7bnc	Mich	---	2d7bnc	---
2d7gnt	Marc	---	2d7gnt	---
4d7yr	Yoram	---	4d7yr	---
a4lka	Kevin	---	a4lka	---
4d7bp	Chris	---	4d7bp	---
a4lvi	Craig	---	a4lvi	---
4d7fb	Michael	---	4d7fb	---
ambardent	receive ambardent	---	g4lvi	---

View log

tail -100f /var/log/pi-star/DAPNETGateway-2018-09-01.log



Pager Feature & instruction

PLL or crystal, 137-199 MHz and 400-499 MHz, POCSAG.

Please notice that the frequency you use.

*One device just with 4MHz bandwidth.

*The frequency can be customized in the frequency range, 4MHz bandwidth you can program when come out factory.

For example, your order 1x 439.9875MHz, you just can use 437.9875-441.9875 MHz. You can not use 458.6625MHz when you customize 439.9875MHz.

*Default frequency is 439.9875MHz.

Warning

PLL or crystal, 137-199 MHz and 400-499 MHz, POCSAG.
Please notice that the frequency you use.

- *One device just with 4MHz bandwidth.
- *The frequency can be customized in the frequency range, 4MHz bandwidth you can program when come out factory.

For example, your order 1x 439.9875MHz, you just can use 437.9875-441.9875 MHz.
You can not use 458.6625MHz when you customize 439.9875MHz.

*Default frequency is 439.9875MHz.

Standard Edition(1)

including:

- 1x Pager
- 1x USB ID Programming cable

Not include 7# Battery

! DANGER !
Can not charge the Standard Edition!
Will burn down the inner circuit!

Charging Edition(2)

1x Pager with inner Charge(2)
1x USB ID Programming cable
1x Charger

Not include 7# Rechargeable Ni-MH battery

Just Charging Edition inner chargeable chip.
! DANGER !
Just Can use Special Charger!
Excessive current will burn down the charging circuit

Pager Center Frequency(MHz)
439.9875MHz

Pager Model Type
☐ Standard Edition
☒ Charging Edition (+\$5.00)

Qty
1

Add to cart

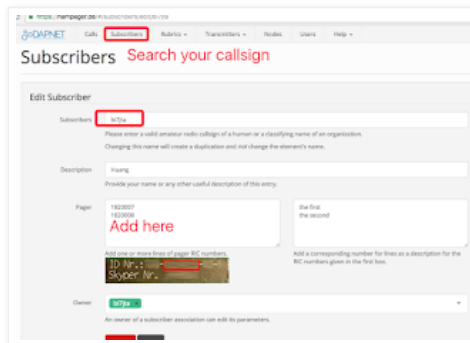
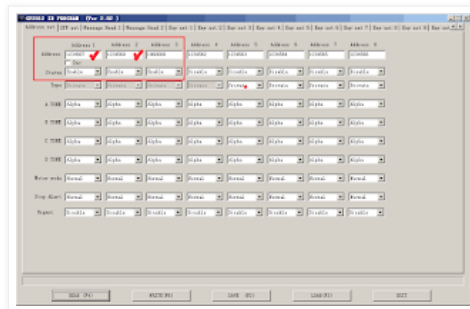
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Q&A

1) You can use the default RIC id if can not write your ID, the first and the second have Beep Beep voice,

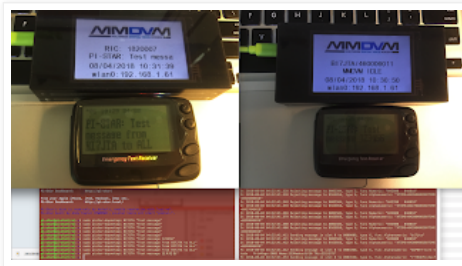


2) Some language Character coding not support in DAPNET server, will cause unintelligible text, change to English is ok.

3) Some time DAPNET server connect timeout, try later or change network(WiFi).

Preview

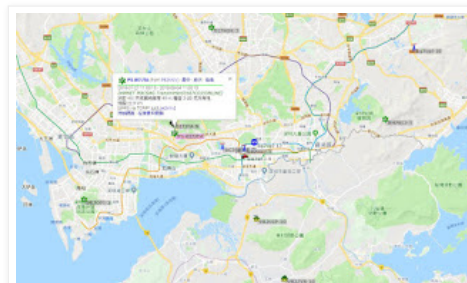
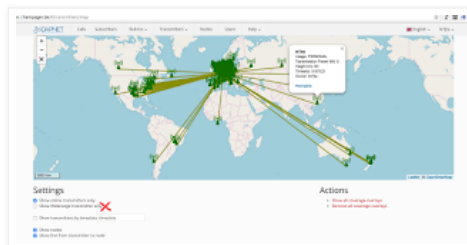
(MMDVM HAT can find in shop www.bi7jta.org/cart)

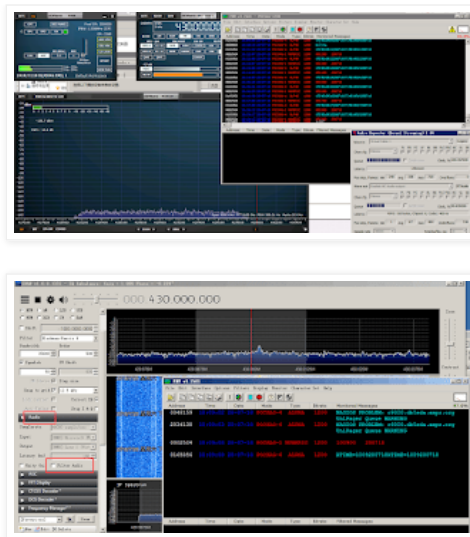


See also

<https://www.facebook.com/cqcqcq73>

<http://vk3xem.net/2018/09/21/gp2009n-alphanumeric-pager/>





To buy email to bi7jta@gmail.com

at August 09, 2018 No comments: 

Labels: [DAPNET](#), [Pager](#), [POCSAG](#)

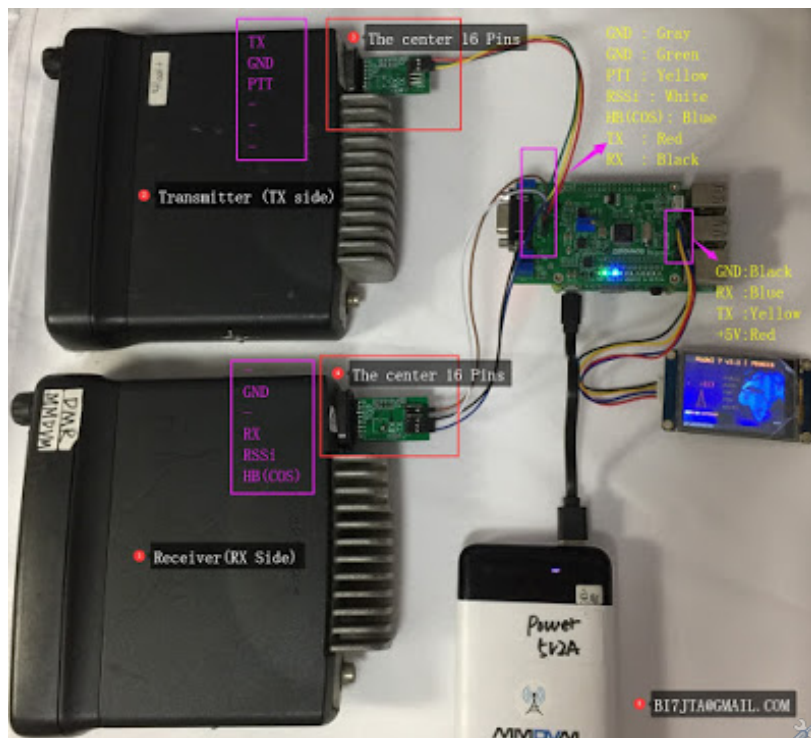
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Product available for sell #Repeater board V3F4 with Cable #MMDVM

\$59.00 https://www.bi7jta.org/cart/index.php?route=product/product&path=59_62&product_id=52 PayPal
Features: Repeater and Simplex mo...



[Configure Guide for MMDVM Repeater Kit Board \(LinkerV3\)](#)

Update 2019-12-01, I continue update in my Wiki website <https://www.bi7jta.org/wiki>
now have completed: for DR-1X for GM338-CDM1250-C...



[UserGuide for Duplex hotSPOT ,Model Duplex Model_B: Alloy_SPOT, Duplex Model_A : ALC_SPOT_NX](#)

Important update ,from firmware v1.4.12 Frequency restrictions to avoid satellite interference. Please avoid the following ranges: 145.8-...



[Firmware upgrade UserGuide for MMDVM HAT\(Simplex/Duplex/Repeater\) made by BI7JTA](#)

Important update ,from firmware v1.4.12 Frequency restrictions to avoid satellite interference. Please avoid the following ranges: 145....



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