

# Dynamic and Static Talkgroups on Brandmeister v2

**The talk group on Brandmeister is divided into the following three types:**

## **Repeaters and Duplex Hotspot**

1, Dynamics Talkgroup: Dynamic group must press PTT into, dynamic group is also known as temporary group, you can enter multiple dynamic groups at the same time, and the last dynamic group which you continuous listening can keep 15 minutes until exit automatically.

2, Static Talkgroup: Do not need press PTT, open your hot spot can listen to the group, you can set one to more static groups.

3, Automatic static group: When there is no static group, the last dynamic group used is set to automatic static group until the PTT is switched to another talkgroup, and when the talkgroup is switched, the previous automatic static talkgroup becomes a dynamic group and retains 15 minutes, and the last group becomes an automatic static group , and its effect is equivalent to a static group (but only one).

## **Simplex Hotspots**

Same as above, but does not drop the talkgroup at 15mins.

When moving from a Reflector or Talkgroup to another, you should do a 4000 unlink.

4000 as a Private Call will ONLY disconnect Reflectors (Hytera and Moto Repeaters)

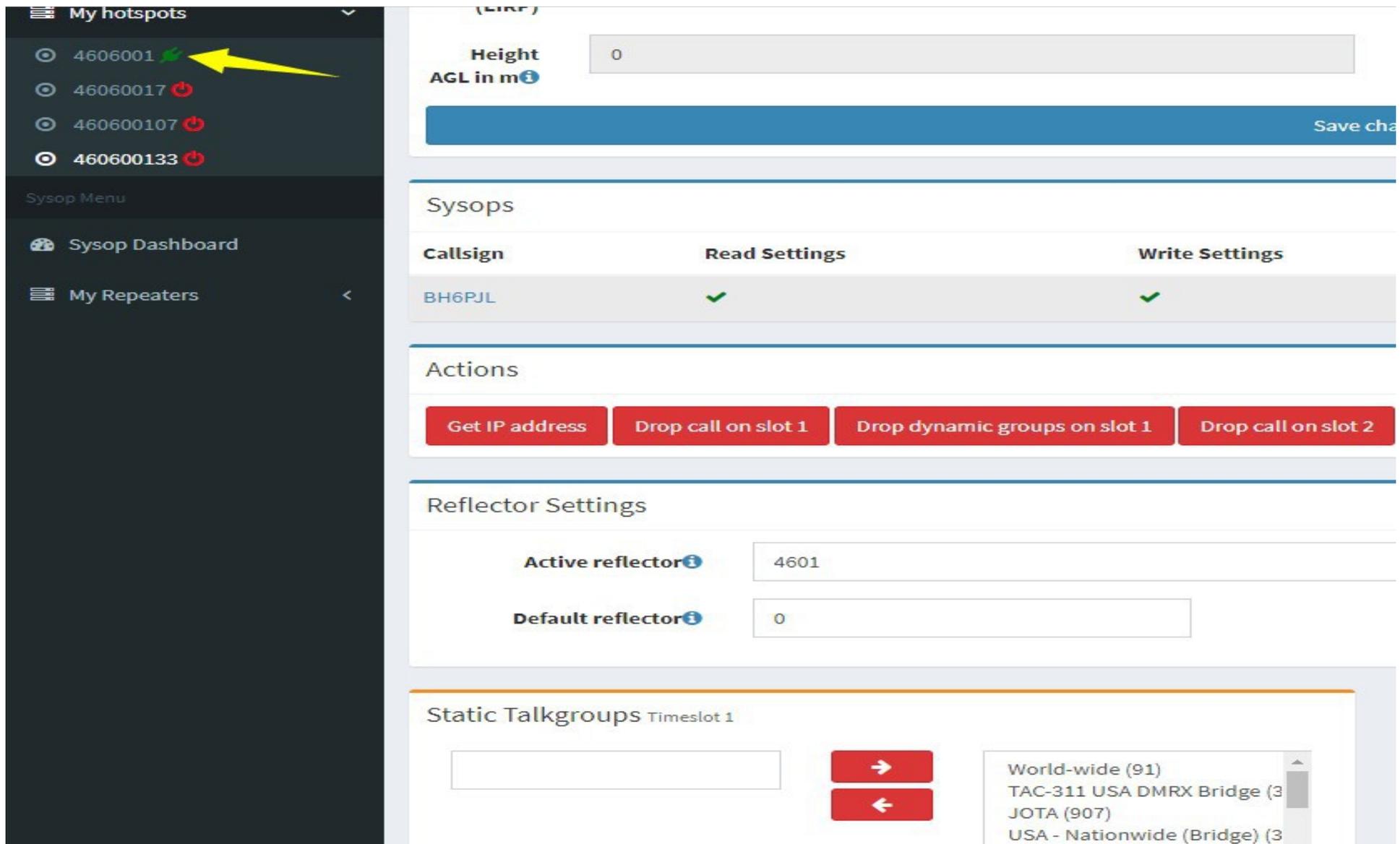
4000 as a Group Call will discontent Reflectors and Talk Groups (Hotspots and Repeaters Slot 1)

4000 will not Disconnect Static Talk Groups

**There are two ways to manage Brandmeister talk groups.**

Manage the talk groups on Brandmeister website

Sign up and sign in to <https://brandmeister.network> and find your hotspot on the left, as shown in the figure:



My hotspots

- 4606001 ✓
- 46060017 ⏻
- 460600107 ⏻
- 460600133 ⏻

Sysop Menu

- Sysop Dashboard
- My Repeaters

(LINK)

Height AGL in m

Save changes

### Sysops

Callsign	Read Settings	Write Settings
BH6PJL	✓	✓

### Actions

[Get IP address](#) [Drop call on slot 1](#) [Drop dynamic groups on slot 1](#) [Drop call on slot 2](#)

### Reflector Settings

Active reflector

Default reflector

### Static Talkgroups Timeslot 1

[→](#) [←](#)

- World-wide (91)
- TAC-311 USA DMRX Bridge (3)
- JOTA (907)
- USA - Nationwide (Bridge) (3)

On the right side of this page find the static talkgroups, here can be add groups and remove groups.

BH6PJL ✓ ✓

### Actions

Get IP address Drop call on slot 1 Drop dynamic groups on slot 1 Drop call on slot 2

### Reflector Settings

Active reflector ⓘ 4601

Default reflector ⓘ 0

### Static Talkgroups Timeslot 1

add talkgroup

remove talkgroup

World-wide (91)  
TAC-311 USA DMRX Bridge (3)  
JOTA (907)  
USA - Nationwide (Bridge) (3)  
Australia Queensland (5054)

The image shows a web interface for managing a radio system. At the top, the call sign 'BH6PJL' is displayed with two green checkmarks. Below this is an 'Actions' section with four red buttons: 'Get IP address', 'Drop call on slot 1', 'Drop dynamic groups on slot 1', and 'Drop call on slot 2'. The 'Reflector Settings' section contains two input fields: 'Active reflector' with the value '4601' and 'Default reflector' with the value '0'. The 'Static Talkgroups Timeslot 1' section features an empty input box on the left, a red button with a right-pointing arrow labeled 'add talkgroup' above it, and a red button with a left-pointing arrow labeled 'remove talkgroup' below it. To the right of these buttons is a scrollable list of talkgroups: 'World-wide (91)', 'TAC-311 USA DMRX Bridge (3)', 'JOTA (907)', 'USA - Nationwide (Bridge) (3)', and 'Australia Queensland (5054)'. Two black arrows point from the text labels 'add talkgroup' and 'remove talkgroup' to their respective buttons.

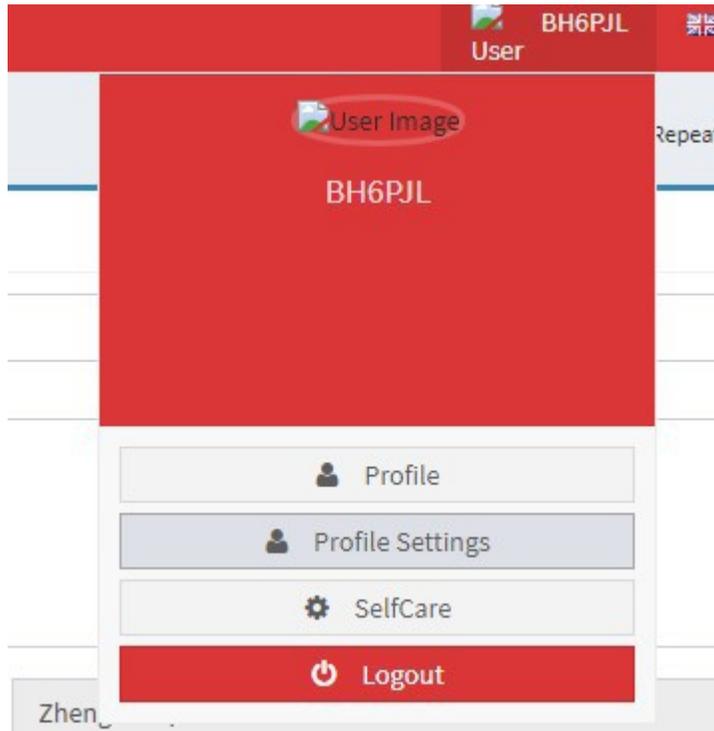
Click **drop dynamic groups** can clear all dynamic groups, which is equivalent to a group call 4000 on the radio.

**Manage BM Talk groups on the Pi-star.**

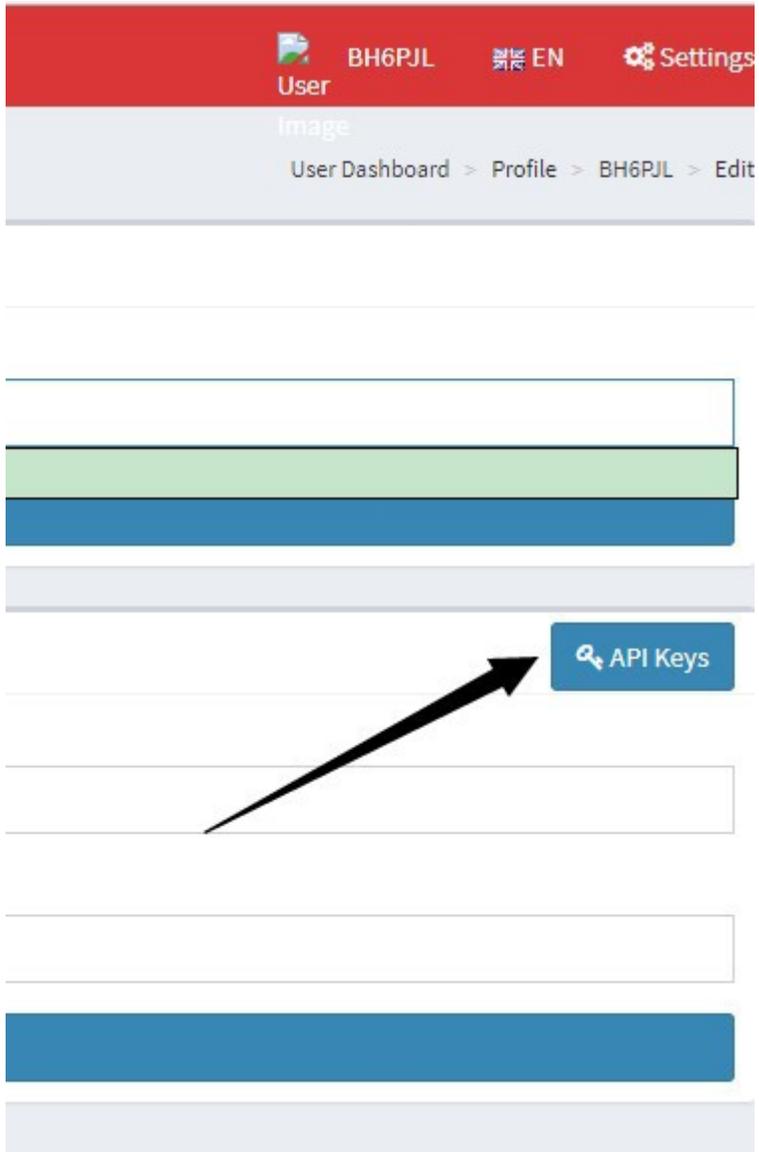
This is new feature which added to pi-star v3.4.11. at the same time, Brandmeister also release the API keys interface, Pi-star use this interface to achieve direct management of the talk group function, so no longer need to log in Brandmeister website. It is very convenient to use.

### 1. Generate API Key.

Login your Brandmeister, click “profile settings” on the top right corner.



Click the “API keys” In the setting page.



Click the Add button and enter any name

# API Keys

Image

User Dashboard > Profile > API Keys

These keys are unique to your account and you must protect them carefully as they will allow programs and individuals to access and change your BrandMeister account information, as well as making any action on your behalf.

By creating API key(s) below, you are taking full responsibility for their usage.  
API keys never expire but you can revoke them at anytime.

## Active keys

Show 10 entries

Search:

Add

Name	Actions
MMDVM HOTSPOT	<a href="#">Revoke</a>

Showing 1 to 1 of 1 entries

Previous 1 Next

Copy the key out after it build succeeds, note that the page is displayed only one time, and if there is no copy, you have to regenerate the key.



If the key is accidentally leaked, you want to delete (void) The key, you can click the Revoke button.

Active keys

Add

Show 10 entries

Search:

Name	Actions
MMDVM HOTSPOT	Revoke

## 2. Key configuration in Pi-star

Go to configuration > Expert > BM API keys, fill in the key you just copied and save it.

Pi-Star:3.4.16 / Dashboard:20181111

# Pi-Star Digital Voice - Expert Editors

[Dashboard](#) | [Admin](#) | [Update](#) | [Upgrade](#) | [Backup/Restore](#) | [Configuration](#)

**Quick Edit:** [DStarRepeater](#) | [ircDDBGateway](#) | [TimeServer](#) | [MMDVMHost](#) | [DMR GW](#) | [YSF GW](#) | [P25 GW](#) | [NXDN GW](#)  
**Full Edit:** [DMR GW](#) | [PiStar-Remote](#) | [WiFi](#) | [BM API](#) | [DAPNET API](#) | [System Cron](#) | [RSSI Dat](#)   **Tools:** [CSS Tool](#) | [SSH Access](#)

[Expert Editors](#)

**\*\*WARNING\*\***

Then you can view and manage the talk groups informations in the pi-star Admin page.

# Pi-Star Digital Voice Dashboard for BH6PJL

[Dashboard](#) | [Admin](#) | [Live Logs](#) | [Power](#) | [Update](#) | [Configuration](#)

## Gateway Hardware Information

Hostname	Kernel	Platform	CPU Load	CPU Temp	
pi-star	4.9.35-v7+	Pi 3 Model B (1GB) - Sony, UK	0.14 / 0.05 / 0.02	40.8° C / 105.4° F	
Service Status					
MMDVMHost	DMRGateway	YSFGateway	YSFParrot	P25Gateway	P25Parrot
DStarRepeater	ircDDBGateway	TimeServer	PiStar-Watchdog	PiStar-Remote	PiStar-Keeper

## Active BrandMeister Connections

BrandMeister Master	Default Ref	Timeout(s)	Active Ref	Static TGs	Dynamic TGs
BM China 4601	REFO	0(s)	REF4601	TG91(1) TG311(1) TG907(1) TG3100(1) TG5054(1) TG46001(1) TG46600(1) TG460755(1)	None

## Gateway Activity

Time (HKT)	Mode	Callsign	Target	Src	Dur(s)	Loss	BER
17:18:57 Mar 7th	DMR Slot 1	TA1ET	TG 91	Net	0.5	0%	0.0%
17:18:16 Mar 7th	DMR Slot 1	46001	TG 46001	Net	0.8	0%	0.0%
17:17:36 Mar 7th	DMR Slot 1	KEOPVY	TG 311	Net	16.3	0%	0.0%
17:16:56 Mar 7th	DMR Slot 1	BD8SGK	TG 46001	Net	2.3	0%	12.9%
17:16:38 Mar 7th	DMR Slot 1	BH3TYI	TG 46001	Net	5.5	0%	0.0%
17:15:29 Mar 7th	DMR Slot 1	BI1DSA	TG 46001	Net	1.4	0%	0.0%
17:14:51 Mar 7th	DMR Slot 1	KC9UVC	TG 91	Net	1.2	30%	0.0%
17:14:10 Mar 7th	DMR Slot 1	K2ZGW	TG 91	Net	5.5	0%	0.0%
17:13:33 Mar 7th	DMR Slot 1	VK3DXJ	TG 91	Net	25.7	0%	0.0%
17:10:42 Mar 7th	DMR Slot 1	I4QHD	TG 91	Net	40.8	1%	1.5%
17:04:24 Mar 7th	DMR Slot 1	PA3BNK	TG 91	Net	7.3	0%	0.0%
17:01:31 Mar 7th	DMR Slot 1	IW2KWS	TG 91	Net	0.8	0%	0.0%
16:59:38 Mar 7th	DMR Slot 1	5020049	TG 91	Net	0.5	0%	0.0%
16:58:34 Mar 7th	DMR Slot 1	EA4GYG	TG 91	Net	0.5	0%	0.0%
16:58:11 Mar 7th	DMR Slot 1	KB8ZXI	TG 91	Net	0.8	0%	0.0%
16:57:44 Mar 7th	DMR Slot 1	KB2PXC	TG 3100	Net	0.5	0%	0.0%
16:57:11 Mar 7th	DMR Slot 1	PA5VEN	TG 91	Net	4.1	0%	0.0%

### Modes Enabled

D-Star	DMR
YSF	P25
YSF XMode	NXDN
DMR XMode	POCSAG

### Network Status

D-Star Net	DMR Net
YSF Net	P25 Net
YSF2DMR	NXDN Net
YSF2NXDN	YSF2P25
DMR2NXDN	DMR2YSF

### Radio Info

Trx	Listening DMR
Fx	447.550000 MHz
Rx	442.550000 MHz
FW	HS_Hat:v1.4.12

### DMR Repeater

DMR ID	4606001
DMR CC	1
TS1	enabled
IG 91/No Ref	
TS2	enabled
No TG/No Ref	
DMR Master	
BM China 4601	