

U.S. BrandMeister Server

User Guide



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Purpose

The purpose of this document is to describe how you can best utilize the services offered by the BrandMeister network which your local repeater is connected to. This document will be updated from time to time as new information and services become available by your local repeater admin.

Terminology

Key terms used within this document and their definitions.

Master - The server to which your repeater is connects and provides access to other users and services.

Static Talk Group - A talk group which is “always on” meaning it is always sent to the repeater on the assigned time slot without any user intervention.

Dynamic Talk Group - A talk group which is only sent to the repeater when a local user keys up that talk group. The talk group will be sent to the repeater for a period of 15 minutes after the most recent key up by a local user.

Regional Talk Group - A talk group which is used to connect all repeaters within a specific callsign area as specified by the FCC. A map depicting the various callsign areas within the United States is located later in this document.

Statewide Talk Group - A talk group which is used to connect all repeaters within a specific state. A list of all Statewide talk group IDs is located later in this document.

ARS (Automatic Registration Service) - Motorola specific term used to describe the functionality that allows a radio to register with the network for the purpose of tracking user availability and enabling location reporting, which can be forwarded to the APRS network, on radios configured with integrated GPS units.

RRS (Radio Registration Service) - Hytera specific term used to describe the functionality that allows a radio to register with the network for the purpose of tracking user availability and time slot usage. Unlike ARS, this service is not required to enable location reporting on radios configured with integrated GPS units.

Default Talk Group Configuration

The tables below describe the default configuration of repeaters connected to the U. S. BrandMeister Servers. Each of the talk groups listed is configured statically, meaning it is always available. Any variance from this configuration will be communicated to you by your repeater admin.

Use this information as a starting point for configuring your radio(s) to access the system.

Talk Groups on Time Slot 1		
Number	Name	Description
91	Worldwide	Worldwide Talk Group
93	North America	North America
3100	U.S.A	Nationwide - Connected to DCI Bridge on DMRX
3109X*	U.S. Area X	Regional Talk Group Based on Repeater Callsign Area
31089**	Hytera Network USA	Talk Group for Legacy DMRPlus Systems in the U.S.

* See list of Regional talk group IDs later in this document.

** Only Static on Legacy DMRPlus Systems

Talk Groups on Time Slot 2		
Number	Name	Description
2 or 9	Local	Local Talk Group as Determined by Repeater Admin
8900*	Local	Local Talk Group for Las Vegas Area Repeaters
31XX**	Statewide	Statewide Talk Group Based on Repeater Location

* Only for Las Vegas Area Repeaters

** See list of Statewide talk group IDs later in this document.

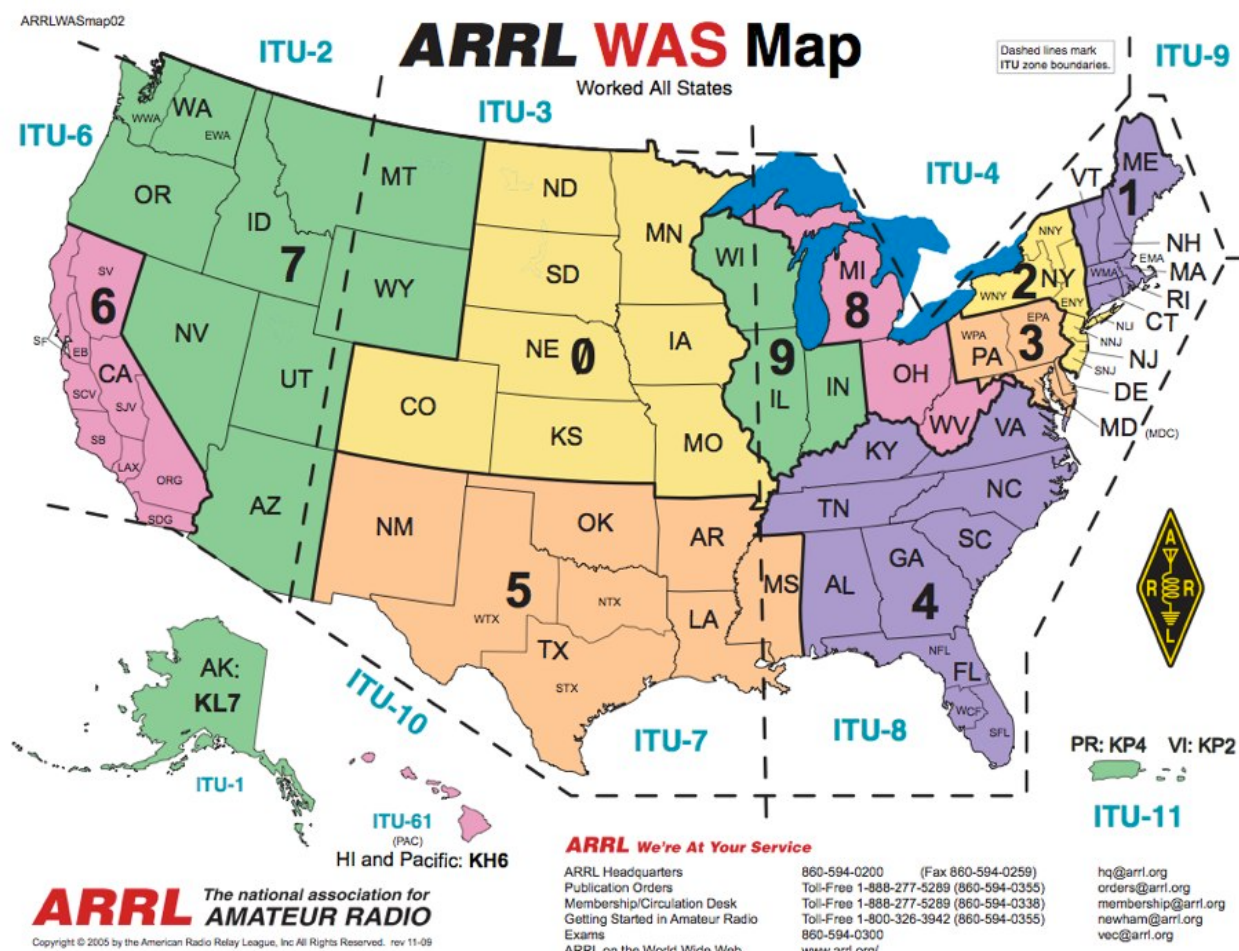
Special IDs on Both Time Slots		
Number	Name	Description
9990 or 310997*	Parrot	Have your Audio Recorded and Played Back to You.
310999	ARS/RRS/APRS	Registration and Location (APRS) Services

* Private Call

Regional Talk Groups

Regional talk groups are used to connect all repeaters within a specific callsign area as specified by the FCC.

Regional Talk Groups			
Number	Name	Number	Name
31090	Callsign Area 0	31095	Callsign Area 5
31091	Callsign Area 1	31096	Callsign Area 6
31092	Callsign Area 2	31097	Callsign Area 7
31093	Callsign Area 3	31098	Callsign Area 8
31094	Callsign Area 4	31099	Callsign Area 9



Statewide Talk Groups

Statewide talk groups are used to connect all repeaters within a specific state.

Statewide Talk Groups			
Number	Name	Number	Name
3101	Alabama	3130	Montana
3102	Alaska	3131	Nebraska
3104	Arizona	3132	Nevada
3105	Arkansas	3133	New Hampshire
3106	California	3134	New Jersey
3108	Colorado	3135	New Mexico
3109	Connecticut	3136	New York
3110	Deleware	3137	North Carolina
3111	District of Columbia	3138	North Dakota
3112	Florida	3139	Ohio
3113	Georgia	3140	Oklahoma
3115	Hawaii	3141	Oregon
3116	Idaho	3142	Pennsylvania
3117	Illinois	3144	Rhode Island
3118	Indiana	3145	South Carolina
3119	Iowa	3146	South Dakota
3120	Kansas	3147	Tennessee
3121	Kentucky	3148	Texas
3122	Louisiana	3149	Utah
3123	Maine	3150	Vermont
3124	Maryland	3151	Virginia
3125	Massachusetts	3153	Washington
3126	Michigan	3154	West Virginia
3127	Minnesota	3155	Wisconsin
3128	Mississippi	3156	Wyoming
3129	Missouri		

Dynamic Talk Groups of Interest

The talk groups below are available dynamically meaning it is only sent to the repeater when a local user keys up that talk group. The talk group will be sent to the repeater for a period of 15 minutes after the most recent key up by a local user.

This is by no means an complete list of all available talk groups, just a sample of what is available. Many more can be located by reviewing the BrandMeister Wiki whose address is listed later in this document in the **Additional Resources** section.

We recommend the use of dynamic talk groups on time slot 1 to ensure the repeater is available for local traffic on time slot 2.

Language Based Talk Groups		
Number	Name	Description
910	German	Worldwide German
911	French	Worldwide French
913	English	Worldwide English
914	Spanish	Worldwide Spanish
915	Portuguese	Worldwide Portuguese
920	German (DL, OE, HB9)	Germany, Austria, Switzerland
921	French	Worldwide French (Overflow)
922	Dutch	Worldwide Dutch
923	English	Worldwide English (Overflow)
927	Nordic	Worldwide Nordic Languages

Country Based Talk Groups			
Number	Name	Number	Name
714	Panama	3026	Canada
334	Mexico	208	France
214	Spain	204	Netherlands
505	Australia	262	Germany
2350	United Kingdom	268	Portugal

Other Talk Groups		
Number	Name	Description
31268	SNARS	Sierra Nevada Amateur Radio Society
31261	Mi5 Statewide 1	Central Michigan Emergency Network
31262	Mi5 Statewide 2	Central Michigan Emergency Network
31089	Hytera USA	Legacy DMRPlus Repeaters
31210	XRF210 D	Patch to DStar XRF210 D

DV4Mini

The DV4Mini is a popular option for those looking to create a hotspot capable of providing connectivity to DMR, DStar, and Yaesu System Fusion radios.

When using the DV4Mini to access the BrandMeister network, you **MUST** use the DV4MF2 control panel application linked to later in this document under **Additional Resources**.



Addition Resources

Additional resources are available at the following locations...

BrandMeister Global Dashboard - <http://brandmeister.network>

BrandMeister Wiki - <https://bm.pd0zry.nl>

DV4Mini - <http://wirelesshold.com/dv4mini.aspx>

DV4Mini BM Compatible Software - <http://www.dl2mf.de/blog/?p=1409>

Credits and Thanks

A big “Thank You” goes out to all those who have contributed to the BrandMeister network and those who have contributed to or reviewed this document. There are too many to list, but here are the highlights :-)

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Contact and Corrections

If you identify any errors or omissions in this document, please contact me with the details...

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