关于 XTL 5000 写频的说明

BH3DHE

现将本人所使用的 XTL 5000 的写频文件设置截屏提供给大家做个参考。XTL 系列车台 与 MMDVM 热点配合使用的情况不是很多,但有部分 HAM 已经或计划安装个人大热点或使 用中继板搭建 P25 模式中继,这样在移动中使用 P25 模式的车台会大大增加覆盖范围。

XTL 5000 的 MMDVM 写频设置过程参考了 BH7PUE 的 XTS 5000 写频详细教程。(微信 公众号: BH7PUE 的无线电与好玩的东西)。

目前在 MMDVM 通联中正常使用。需要注意: XTL 5000 车台不支持 Soft ID。

所使用的 CPS 版本:

About ASTRO 25 Mobile CPS			
ASTRO 25 Mobile CPS Version R20.00.00 XTL 5000 / HPD 1000 / ASTRO Spectra Plus / XTL 2500 / XTL 1500 / PM1500 Copyright (c) 2001-2013 Motorola Solutions Incorporated. This product is licensed to:			
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1、 Radio configuration - Radio wide – General

User Information				
🔽 ARS User Login En	abl			
Soft .	BH3DHE			
PIN:	*			
Radio ID				
Owner ID and Write Protect				
Кеу Туре	None 🗸 🗸			
Owner System ID	0			
🔲 Disable Write Prot	t			

2、 Radio Configuration – Display & Menu - Menu items 中添加 TGRP

eneral	Menu Item	s Backlight	Color Con	ntrol Ad	vanced P
-Conven	tional Mer	nu Items ——			
Avai	lable		Select	ed	
DIR			COLR	•	Move
CHAN		Add >>	TMS		υp
ZONE			TGRP		Morro
PHON	*	<< Remove	SQL	-	Down
laa. w			1		

3 Radio Configuration – Display & Menu – Advanced

General Menu Items Backlight	Color Control	Advanced	PTT I
Talkgroup ▼ Display On PTT ▼ Display On Receive	🔽 Display On	Mode Chang	
Emergency Call Receiv	🗖 Save Dim S	tate	
Language Selection:	English	•	
Alternating Display Time	1000		
Temporary Message Display Time (ms):	1000	• •	
Menu Inactivity Time out	Infinite	• •	
Status Auto Exit:	On Successful	Acł 👻	

4、 Radio Configuration – Display & Menu –PTT ID

General Menu Items Backlight	Color Control Advanced PTT ID
ID Disple End Of Voice Timer (Sec):	▼ Scan ID Displa 4
Manual Channel Change	1 -
Number Of Prefix	4
Prefix	
ID: ID:	Call CA:
Emergency: EM:	

5 Conventional – ASTRO systems – ASTRO configuration

Radio	Wide Data Group ID				
	CAI Data				
	Max Tx	4 -			
	Response Timer	3300			
	Min Response Timer	700			
	Max Packet	512 .			
	🔲 Secure Packet Data by	7 Defa			
	🔽 Talk Inhibit T				
	Conventional Customer	0000			
Radio	Wide Data Group ID				
	Frame Sync Seek Period	750 -			
	Tx Short Random Range	50 :			
	Tx Long Random Range 2000				
	Tx Resp Random Range	1000			
	Tx Limited Patience	Infinite ÷			
	ARP Cache Depth:	10 +			
	ARP Cache Time (hrs):	Infinite 🔸			

conventional ASTRO systems ASTRO system ASTRO system I				
General Emergency Emergency Options	Remote Advanced Data ARS			
Indivi dual	4603015			
Preamble	80 +			
Scan Signal Time	0.0			
Scan Voice Detect Time (ms):	0 -			
✓ Status✓ Status✓ Preamble Multipl	Reques: 🔽 Message			
General Emergency Emergency Ontions	Remote Advanced Data ARS			
Talkgroup Hang Time	0.000 •			
Sel Call/In-Call	Auto w/ Carr 👻			
Auto Reset Time				
Limited Patience	53			
🥅 Radio Inhib				
🔽 Radio Check				
🔽 CAI Data Registrat				
🔽 Emergency Alarm Rx Indica				

6、 Conventional – ASTRO systems – ASTRO system - ASTRO system 1

General	Emergency	Emergency Options	Remote Advanced	Data	ARS	DVRS
▼ P	acket Data C	apable System (P)	🔲 Limited Broad	ca		
E A	uto Generate	IP Addre	🔲 Auto Generate	Target	IP Addre	2.5
L L	ocation Data	. Capable Sys	🗖 Enable NAT			
Pack	et Data		Repeated	•		
Data	Scan Preamb	le Length:	25	÷		
Queu	e Dwell Time	r	25	÷		
Subs	criber Air-I	nterface IP	192 . 168	. 1	. 10	
Mobil	Le Computer	IP	192 . 168	. 1	. 2	
Text	Messaging S	ervice:	Unlimited	•		
Appl	ication Time	Between Attempts	10 .			
Appl	ication Numb	er of	5			
POF	25					
	OTAP Enable	2				
OT	AP Retransmi	ission Timer	10 *			
General	Emergency	Emergency Options	Remote Advanced	Data	ARS	DVRS

ARS Mode:	Non-Server 🗸
ARS Retry Timer (Min):	30
Automatic Registration Server Address:	0,0,0

General Emergency Emergency Option	ns Remote Advanced Data	ARS DVRS
 DVRS Operation Enabl. Talk Permit Tor Display Site Trunk Alert Site Trunl Dynamic Regrouping Enabl 	Timers Busy Update Time Resp Pending Time Activation Wait Timer	30 ÷ 6 ÷ 3 ÷
TA When No DVRS Comms TA After DVRS No Communication Retries:	Multikey Private Call Key Patch Key Select: Failsoft Key Dynamic Talkgroup Key Phone Interconnect Key	

7、 Conventional – ASTRO systems – ASTRO system - ASTRO Talkgroup List - ASTRO Talkgroup List 1。在这里输入需要使用的通话组 TG ID。

General	Talkgroup Table	
	-Secure KMF Profile	KMF Profile Index:
	▼ Talkgroup Ali : Indiv. Sel. Call Hw	Ţ

General Talkgroup Table			
• X	I OO DEF CUR		
	Talkgroup ID	Talkgroup Alias Text	
1	10100	TG Worldwide	
2	10200	TG N.America	
3	10300	TG Europe	
4	10400	TG Pacific	
5	10401	TG Pacific 1	
6	10402	TG Asia	
7	31665	TG 31665	
8	31672	TG 31672	
9	9999	TG Exit	
10	10	TG Parrot	

8 Conventional – Conventional Personality

Rx Options Tx Options Signaling MDC Secure Secure II
Receive Only Personality
Rx Unmute Delay: 1 🖵 0 (ms)
Vnmute/Mute Type: And VnMute, Or Mut 🖵
Rx Voice/Signal ASTRO 🗸
Squelch (Fine Tune): 3
🔽 Rx Emphasis 🔽 Busy LED 🔲 HearClear
Rx Options Tx Options Signaling MDC Secure Secure II RAC
Time Out 3 60 (sec
Tx Voice/Signal ASTRO
🔽 Transmit Emphasi 🔽 Reverse Burst/ Turn-Off Code
🔲 Hot Keypad 📄 DTMF Mic Enable
Transmit Power Level
O high (• Low

Rx Options Tx Options Signaling MDC Secure Secure II RAC Phone
ASTRO Talkgroup Options One Touch Quik-Call II DTMF Frequency Options
Smart FII Scan Advanced ASINO ASINO LALL
ASTRO System: Emergency Selected Chan
Digital Modulator C4FM 🚽 🔽 Terminal Dat
Rx Unmute Normal Squelch 🔽 🗖 Late Entry Fast Unmu
Rx Options Tx Options Signaling MDC Secure Secure II RAC Phone ASTRO Talkgroup Options One Touch Quik-Call II DTMF Frequency Options Smart PTT Scan Advanced ASTRO ASTRO Call
Decode
Call Alert Decc Selective Call Dec
🔽 In-Call User Alert E
Encode
Call Alert Enc. Selective Call Enc.
🔽 Auto Sel Call Tran: 🔽 ASTRO Unlimited Calli
ASTRO Call ID List: 1
Rx Options Tx Options Signaling MDC Secure Secure II RAC Phone Smart PTT Scan Advanced ASTRO ASTRO Call ASTRO Talkgroup Options One Touch Quik-Call II DTMF Frequency Options
▼ Talkgroup
Selection Type Selectable 🗸
Talkgroup List
Talkgroup ID 6

9、最后在 Zone Channel Assignment 对应的信道中,写入接收、发射频率,以及 Tx Network

ID 和 Rx Network ID。这个数值默认为 293, 需要与热点板 P25 NAC 设置的数值相同。

主要设置项见以上截屏。如有其它设置问题,请通过微信或邮件联系。



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