

关于 XTL 5000 写频的说明

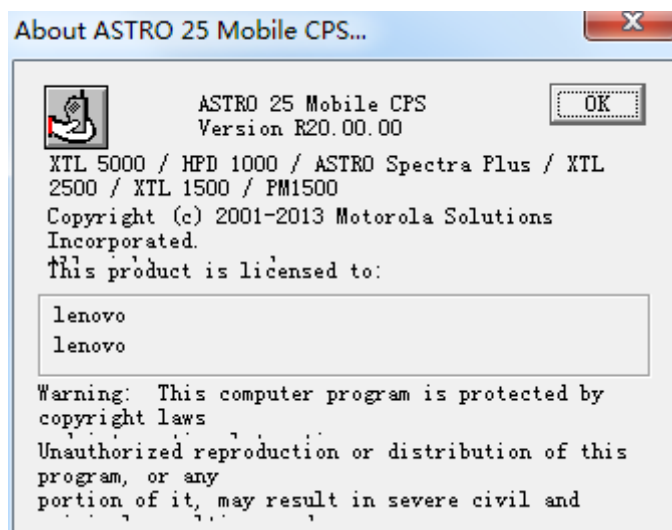
BH3DHE

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。

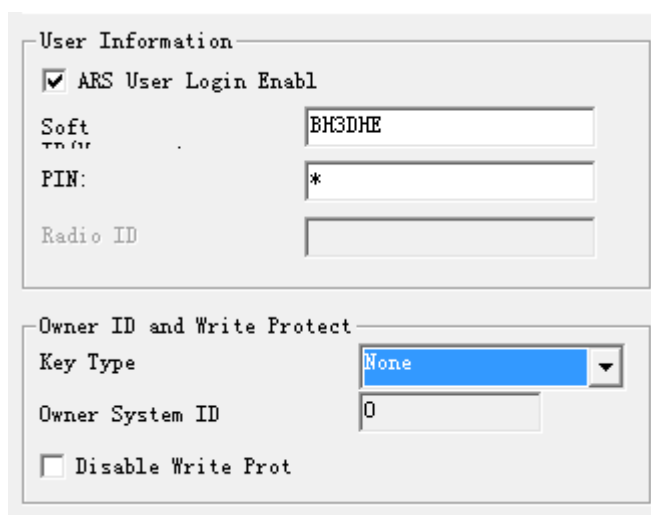
XTL 5000 的 MMDVM 写频设置过程参考了 BH7PUE 的 XTS 5000 写频详细教程。（微信公众号：BH7PUE 的无线电与好玩的东西）。

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

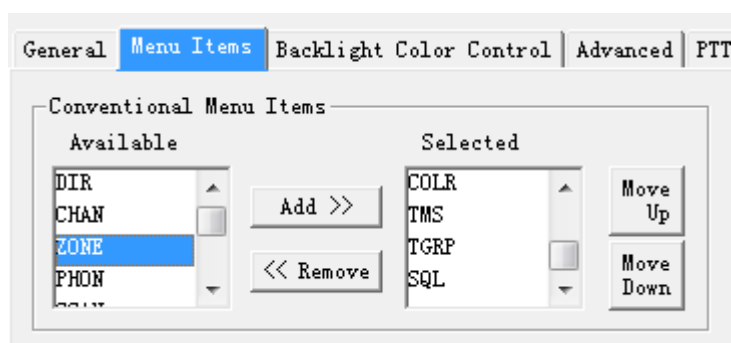
所使用的 CPS 版本：



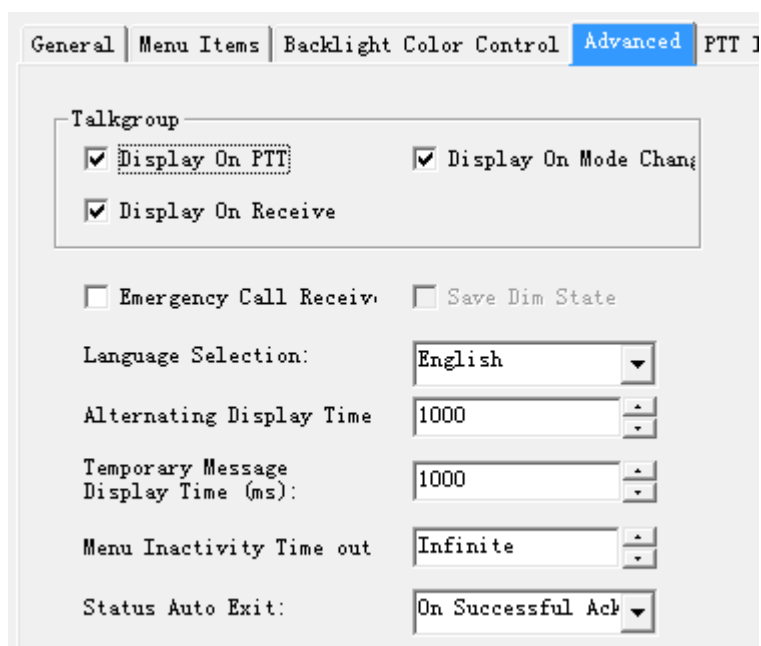
1、Radio configuration - Radio wide – General



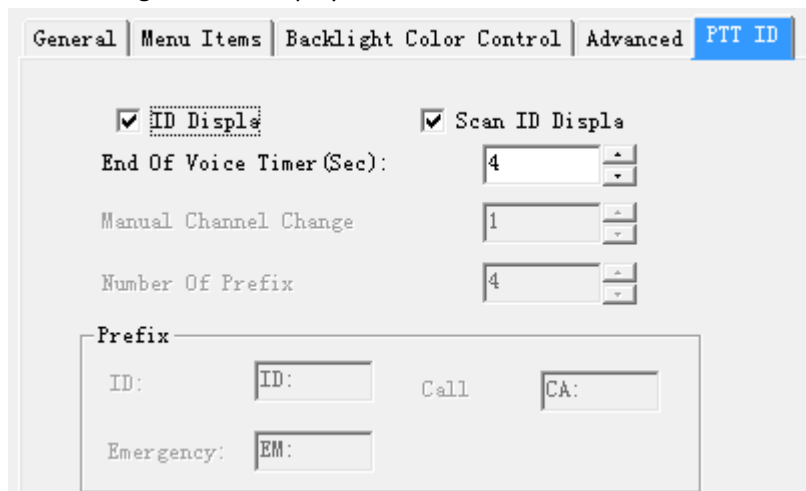
2、Radio Configuration – Display & Menu - Menu items 中添加 TGRP



3、Radio Configuration – Display & Menu –Advanced



4、Radio Configuration – Display & Menu –PTT ID



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 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	

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

General	Emergency	Emergency Options	Remote	Advanced	Data	ARS
Individual	4603015					
Talkgroup	1					
Preamble	80					
Scan Signal Time	0.0					
Scan Voice Detect Time (ms):	0					
☒ Status ☒ Status Request ☒ Message						
☒ Preamble Multipl						

General	Emergency	Emergency Options	Remote	Advanced	Data	ARS
Talkgroup Hang Time	0.000					
Sel Call/In-Call	Auto w/ Carr					
Auto Reset Time	0					
Limited Patience	53					
☐ Radio Inhib						
☒ Radio Check						
☒ CAI Data Registrat						
☒ Emergency Alarm Rx Indica						

General	Emergency	Emergency Options	Remote	Advanced	Data	ARS	DVRS
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☒ Packet Data Capable System (PDS)
 ☐ Limited Broadcast

☐ Auto Generate IP Address
 ☐ Auto Generate Target IP Address

☐ Location Data Capable System
 ☐ Enable NAT

Packet Data: Repeated

Data Scan Preamble Length: 25

Queue Dwell Timer: 25

Subscriber Air-Interface IP: 192 . 168 . 1 . 10

Mobile Computer IP: 192 . 168 . 1 . 2

Text Messaging Service: Unlimited

Application Time Between Attempts: 10

Application Number of: 5

POP25

☐ OTAP Enable

OTAP Retransmission Timer: 10

General	Emergency	Emergency Options	Remote	Advanced	Data	ARS	DVRS
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☒ Automatic Registration Service

ARS Mode: Non-Server

ARS Retry Timer (Min): 30

Automatic Registration Server Address: 0 . 0 . 0 . 0

General	Emergency	Emergency Options	Remote	Advanced	Data	ARS	DVRS
☐ DVRS Operation Enabl ☒ Talk Permit Tor ☐ Display Site Trunk ☐ Alert Site Trunk ☐ Dynamic Regrouping Enabl ☐ TA When No DVRS Comms TA After DVRS No Communication Retries: 5							
Timers Busy Update Time 30 Resp Pending Time 6 Activation Wait Timer 3							
Multikey Private Call Key 1 Patch Key Select: 1 Failsoft Key 1 Dynamic Talkgroup Key 1 Phone Interconnect Key 1							

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 ☐ Enable KMF Profile Index: 1	
☒ Talkgroup Ali:	
Indiv. Sel. Call Hw 1	

General Talkgroup Table		
	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)					
Unmute/Mute Type: And UnMute, 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 Emphasis ☒ Reverse Burst/ Turn-Off Code						
☐ Hot Keypad ☐ DTMF Mic Enable						
Transmit Power Level ☐ 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 PTT	Scan	Advanced	ASTRO	ASTRO Call			

ASTRO System: ☐ Rd Lap
 Emergency: ☐ Adaptive Power
 Digital Modulator: ☒ Terminal Dat
 Rx Unmute: ☐ Late Entry Fast Unm

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 Decd ☒ 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:

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			

☒ Talkgroup

Selection Type:

Talkgroup List:

Talkgroup ID:

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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