UNICATION U3
Digital & Analog Simultaneity Dual Mode
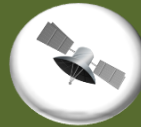# Tactical Handheld Radio

Encryption

GPS

Photo Messaging

Both Digital and Analog Modes Secured with AES 256 Encryption
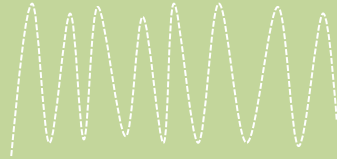

AES-256 Digital Encryption

List of Digital and Analog Protocols Supported by U3 Radio

Analog Voice :

- Clear Squelch (CSQ)
- Two-Tone
- 5/6 Tone
- MDC 1200
- Digital Voice Over Analog (DVOA)
  TX : DVOA   ;   RX : DVOA
- Secure Digital Voice Over Analog (SDVOA)
  TX : SDVOA   ;   RX : SDVOA

- CTCSS
- CDCSS

Digital Modes :

010101010101010

- P25 Trunking and Conventional
  TX : P25   ;   RX : P25

- Secure P25 Trunking and Conventional
  TX : SP25   ;   RX : SP25

- Digital Mobile Radio (DMR)
  TX : DMR   ;   RX : DMR

- **18 Other Different Combinations of the Digital and Analog Simultaneity Modes then PLUS CTCSS & CDCSS also**

- Repeater
  TX : DMR   ;   RX : DMR

Supports Analog System Transmission Digital Data

Allows you to operate in digital data via analog system

Note：Compatible with most current analog repeater systems
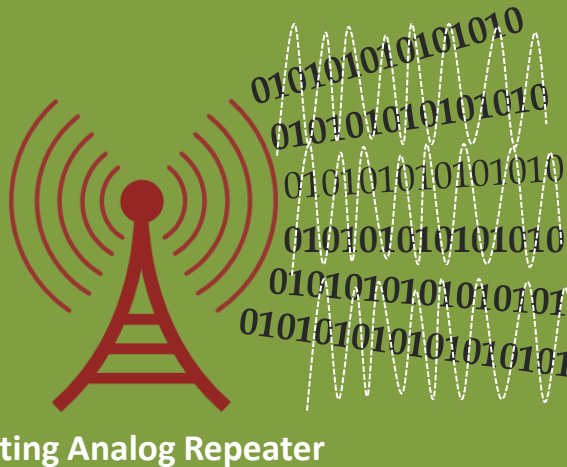
U3 Radio

Existing Analog Repeater

Analog Radio

U3 Radio

4

Superior Digital Voice in Analog Modes

U3 Technology : DVOA™

(Digital Voice Over Analog)

Digitize Analog Voice

Add Encryption

Modulate to FSK

?#!X%*??#$%↵

Analog Radio

Analog Signal

FSK Data

010101010101010

01010101010101010
01010101010101010
010101010101010
01010101010101010
01010101010101010
0101010101010101

01010101010101010

✓

Existing Analog Repeater

U3 Radio

U3 Radio

Support Standard P25 Both Trunking and Conventional Protocol

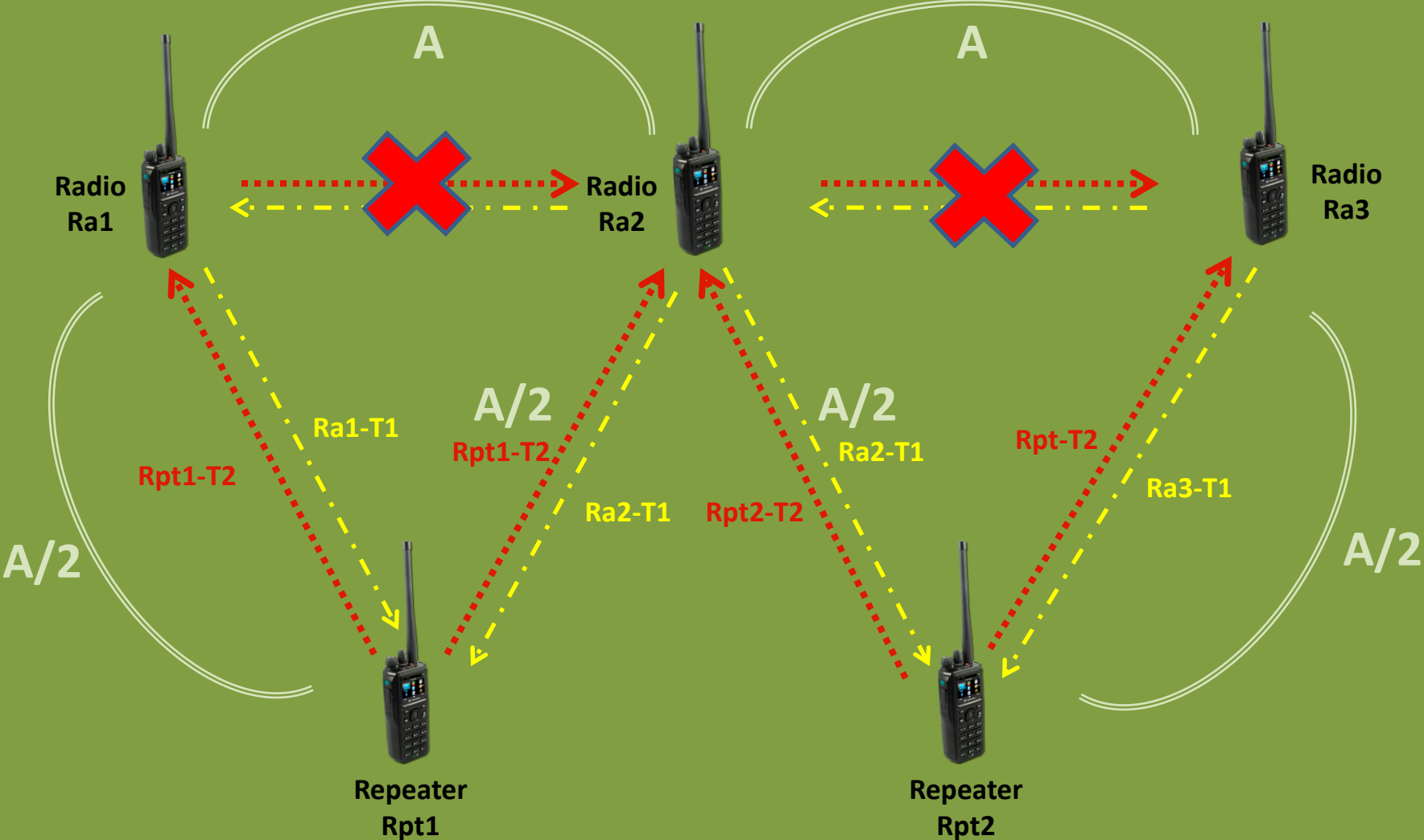| PTIG Member Organizations www.Project25.org	Fixed Stations & Repeaters	Mobile & Portable Radios	Consoles	Networks	Systems Integration
AIRBUS DS COMMS (FORMERLY CASSIDIAN)	🟫			🟩	🟥
CODAN RADIO (FORMERLY DANIELS)	🟫			🟩	🟥
EF JOHNSON	🟫	🟦	🟨	🟩	🟥
HARRIS CORPORATION	🟫	🟦	🟨	🟩	🟥
ICOM AMERICA	🟫	🟦		🟩	🟥
MOTOROLA SOLUTIONS	🟫	🟦	🟨	🟩	🟥
SIMOCO	🟫	🟦	🟨	🟩	🟥
TAIT COMMUNICATIONS	🟫	🟦	🟨	🟩	🟥
〰️〰️〰️					
UNICATIONS USA		🟦			
VERTEX STANDARD		🟦			
WIRELESS PACIFIC	🟫				
ZETRON			🟨	🟩	
36	15	15	13	16	16

A Picture is Worth a Thousand WORDS …

Future Safe Technology : Image transmission

Built-In GPS and SA Allows Users to Know Positions and Distances to Radios in the Network

Single Radio Repeater : Range Extension, Save Channel Resources

Mobile Command Center

Airborne Repeater : Range Extension

List of Other Useful Features Supported by U3 Radio

- **Voice Recording** :   Both Ways

- **Emergency Ca**ll :   Alert PLUS Ability for Commander Radio to Select Monitor Mode to Record Voice

- **Scanning Mode** :   Allows scanning radio to receive both Analog and Digital calls

- **Over-the-Air-Disable** : Allows OTA Disable as well as Enable via Password access

- **Built-In Bluetooth** :   Allows interface with wireless bluetooth devices like microphones , ear-phones, speakers . Also allows connectivity with smartphones for photo and other document sharing.

Thank You !!

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