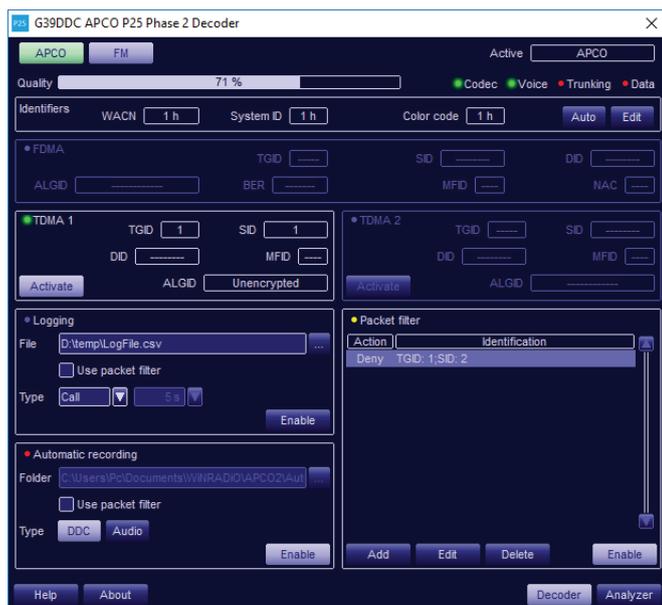# WR - DRD - 172

APCO P25 Phase 2 Decoder

- Supports a single decoding channel
- Supports phase 1 and phase 2 types of APCO P25
- Low power consumption (powered directly from USB port)
- Automatic digital transmission detection
- Recording, playback and logging capability
- APCO P25 transmission parameters decoded
- Support for voice traffic on both inbound and outbound channels
- Transmission type indication
- Support for 2 TDMA channels on a single frequency

The WiNRADiO WR-DRD-172 APCO P25 Phase 2 Decoder is a smart and handy decoder dongle that provides a hardware codec for single channel reception of APCO P25 digital transmissions. Just plug it into your PC USB interface which is also used to power the decoder unit, install the software and enjoy the world of digital transmission decoding.

The P25 decoder (APCO P25 Phase 2 Decoder) uses both an internal software IMBE vocoder and an external hardware AMBE+2 vocoder for voice decoding. The WiNRADiO P25 decoder plugin is used to receive digital transmissions with a codec required to produce decoded audio from the transmission. This device provides the necessary codecs.

The WiNRADiO P25 decoder makes it possible to demodulate, decode, analyze and monitor phase 1 and phase 2 types of APCO P25 digital signals (excluding encrypted types) using the WiNRADiO WR-G39DDC and WR-G315 series of receivers. The decoder supports the voice traffic on both inbound and outbound channels, displays digital transmission parameters and supports a secondary transmission channel if 2 TDMA channels on a single frequency are being transmitted.

Technical Specifications

Interface	USB 2.0
Digital Modes	APCO P25 (phase 1, phase 2)
Receivers	supported receiver is G39DDC and G315
Power	< 500 mA (powered over the USB port)
Dimensions	70 x 17 x 10 mm (2.76 x 0.67 x 0.39")
Weight	9 g (0.32 oz)

System requirements:

PC with 2 GHz quad core CPU or faster

One free USB 2.0 or 3.0 socket

Windows 7, 8 or 10

Specifications are subject to change without prior notice due to continuous product development.
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