



The first PLL synthesized fully programmable HF/VHF ARDF transmitter is designed for any level of ARDF competition or training. The possibility of frequency, transmitted code, keying speed and timing schedule adjustments opens the new area in the ARDF competitions and allows using more transmitters on different frequencies. All parameters are widely adjustable via user-friendly menu, settings are stored in non-volatile memory until the next change.

The operation is very easy: just install the antenna, plug in the connector and transmitter automatically recognizes the proper band and starts operation. After the competition disconnect the antenna, the transmitter then turns to the STANDBY mode with very low consumption and, after 30 hours, turns off itself.

For training purpose, you can use the transmitter without the external accumulator and spare 2/3 of the weight.

Rugged, waterproof house protects the transmitter against the environmental influences, anti-theft loop with cable lock protects it against stealing.

FEATURES:

- **PLL synthesizer provides 16 channels in 3,5 MHz band and 9 channels in 144 MHz band**
- **Output power adjustable in 2 levels – 3 W or 0.9 W**
- **7 various timing schedules**
- **Various transmitted codes**
- **Keying speed adjustable in 4 steps**
- **Automatic band recognition**
- **Automatic shutdown 30 hours after the last reset**
- **Internal accumulator protection against deep discharge**
- **Accumulator voltage telemetrically indicated at the end of every relation**
- **In-system programming port – firmware upgradeable**
- **Rugged, waterproof aluminum house**
- **Sophisticated Cordura case**

SPECIFICATIONS**GENERAL**

Power supply:	built-in sealed lead accumulator 12V/0,8Ah or external sealed lead accumulator 12V/2,6Ah			
Operating temperature range:	-10 ...+ 60°C			
Storage temperature range:	-20 ...+ 60°C			
Covering:	IP65			
Transmitter:				
Dimensions:	80 (W) x 40(H) x 195 (D) mm (projections not included)			
Weight:	970 g			
External accumulator:				
Dimensions:	80 (W) x 40(H) x 195 (D) mm			
Weight:	1430 g			
Operation period at fully charged accumulator (hours, 3,5-144 MHz):	REL	CONT	REL	CONT
	high power		low power	
built-in accumulator only	12-17	2-3,5	22-30	4,5-6
with external accumulator	50-70	10-15	90-130	19-27

TRANSMITTER 3.5 MHz

Carrier frequency:	16 channels (3,52 ... 3,66 MHz)
Mode:	CW
Output RF power @ 50 ohm:	HIGH: 3 W, LOW: 0.9 W
Spurious emissions:	less than -66 dB

TRANSMITTER 144 MHz

Carrier frequency:	9 channels (144,5 ... 145,5 MHz)
Mode:	AM 75%, keyed carrier
Output RF power @ 50 ohm:	HIGH: 3 W PEP, LOW: 0.9 W PEP
Spurious emissions:	less than -60 dB

LOGIC UNIT

Transmitted codes:	MOE, MOI, MOS, MOH, MO5, MO, A ... Z
Keying speed:	35,50,70 or 100 PARIS
Timing schedules:	60 s transmit, 240 s space 30 s transmit, 120 s space 30 s transmit, 270 s space 12 s transmit, 48 s space 15 s transmit, 45 s space 30 s transmit, 30 s space 15 s transmit, 15 s space
Firmware version:	V112GB
Time base accuracy:	+/-10 ppm (approx. 1 sec/day)

SUPPLIED ACCESSORIES

- 3,5 MHz wire antenna+counterpoise
- 144 MHz turnstile antenna
- External accumulator
- Protecting case
- Spare fuses
- Instruction manual

OPTIONS

- Synchro cable
- Automatic DCF controlled synchronizer
- Automatic charger
- Cable lock
- Foxoring antenna
- Various antennas

