



Features

- The AMTX-4 (8)-ER is an AM 10mW SIL transmitter module with embedded "easy-Radio" software
- An "easy-Radio" enabled Tx will accept most forms of standard data at the input, convert the data to an efficient "over-air" format transmit this to the "easy-Radio enabled RX which will then feed the data to the users host processor after it has been converted to its original state.
- Fast time to market; instant radio link.
- Improved range and greater system reliability.
- 433.92MHz standard with other frequency options including 434.25MHz, 868.5MHz and the 902-928MHz USA band.
- The AMTX2B-4 (8)-ER is a 2 button Keyfob which only requires a matching receiver (AMRX-4 (8)-ER) for a complete remote control system.

Applications

- General-purpose remote controls with external range of up to 150m (when used with AMRX-4-ER. Internal range around 30-50m.
- Security alarm systems.
- 434.25MHz version allows 100% duty cycle operation in the EU 433-4MHz ISM band.

"easy-Radio" AM2000 Transmitters

Item	Specification
Frequency	433.92, 434.25, 868.5 for Europe & 902-928MHz for USA
Supply volts	3 to 5v
Supply current	12mA
Output power AMTX SIL version	10mW at 433-4MHz, 868.3MHz; 1mW at 902-928MHz
Range 433-4MHz	150m external with AMRX-4-ER
Range 868.5MHz, 902-928MHz	100m external with AMRX-8 (9)-ER
Range with AMTX2B keyfob	50m @ 433MHz; 30m @ 868 or 902-928MHz
Data rate	9600 bps
Size	SIL version 30 x 10 x 305mm; Keyfob 57.5 x 37.5 x 14mm

Pin	Function
1	RF Ground
2	RF out
3	Input/output
4	Input/output
5	Enable
6	Supply
7	Ground
8	Tx data in

