



# Low Power Devices and 70 cm Amateur Radio

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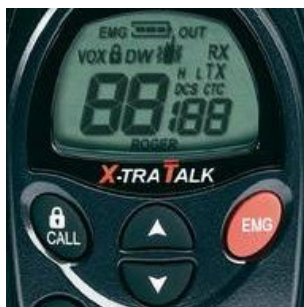
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This document is still under construction.

## Introduction

- Unlike Private Mobile Radio [PMR446](#) 500 mW ERP
- Low-Power Device [LPD433](#) 10 mW
- [70 cm bandplan of IARU Region 1](#)
- Low-Power Wide-Area Network [LPWAN](#) in Region 2
- [433.92 MHz for remote keyless car locks](#) of European, Japanese and Asian cars

## LPD433 channels



Midland G9

The 69 channels of LPD433 are listed with their respective frequency in the table below. Channel numbers in *italic* have a frequency with a specific use in the amateur radio [70 cm bandplan of IARU Region 1](#) or are in the vicinity of 433.92 MHz, the frequency for [remote keyless car locks](#) of European, Japanese and Asian cars. Hence, try to avoid the channel numbers in *italic*. **Boldface** channel numbers are normally safe

to use for interference free LPD433 traffic.

**Table 1: LPD433 channels, frequencies and their amateur radio Region 1 bandplan use**

ch	f (MHz)	region 1 amateur bandplan	ch	f (MHz)	region 1 amateur bandplan	ch	f (MHz)	region 1 amateur bandplan
1	433.075	repeater input	24	433.650	digital communication	47	434.225	
2	433.100	repeater input	25	433.675	digital communication	48	434.250	
3	433.125	repeater input	26	433.700	digital communication	49	434.275	
4	433.150	repeater input	27	433.725	digital communication	50	434.300	
5	433.175	repeater input	28	433.750	digital communication	51	434.325	
6	433.200	repeater input	29	433.775	<i>LoRa APRS 434,</i> <i>digital communication</i>	52	434.350	
7	433.225	repeater input	30	433.800		53	434.375	
8	433.250	repeater input	31	433.825		54	434.400	
9	433.275	repeater input	32	433.850		55	434.425	
10	433.300	repeater input	33	433.875		56	434.450	<i>digital communication</i>
11	433.325	repeater input	34	433.900		57	434.475	
12	433.350	repeater input	35	433.925	<i>car locks on 433.920 MHz</i>	58	434.500	
13	433.375	repeater input	36	433.950		59	434.525	
14	433.400	SSTV FM/AFSK	37	433.975		60	434.550	
15	433.425		38	434.000	<i>digital experiments</i>	61	434.575	
16	433.450	<i>digital voice calling</i>	39	434.025		62	434.600	
17	433.475		40	434.050		63	434.625	
18	433.500	<i>FM calling</i>	41	434.075		64	434.650	
19	433.525		42	434.100		65	434.675	
20	433.550		43	434.125		66	434.700	
21	433.575		44	434.150		67	434.725	
22	433.600		45	434.175		68	434.750	
23	433.625	<i>digital communication</i>	46	434.200		69	434.775	



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