

Instruction Manual for  
**RC-SP, RC-MP, RC-HP TRANSMITTERS**  
For R/C Planes and Rockets

**RC-SP** Standard Power **\$50.00**

- 1 Milliwatt Output
- 6 week battery life
- Up to 1 Mile Range

**RC-MP** Medium Power **\$50.00**

- 5 Milliwatt Output
- 3 week battery life
- Up to 3 Mile Range

**RC-HP** High Power **\$75.00**

- 30 Milliwatt Output
- 1 week battery life
- Up to 10 Mile Range

**BP-12B** Replacement Battery 12-pack **\$5.95**

**RC Transmitters are compatible with  
Communications Specialists'  
PR-100 and R-300 Receivers.**



**COMMUNICATIONS SPECIALISTS, INC.**

426 WEST TAFT AVENUE • ORANGE, CA 92865-4296

714.998.3021 • FAX 714.974.3420

US & CANADA **800.854.0547** • FAX 800.850.0547

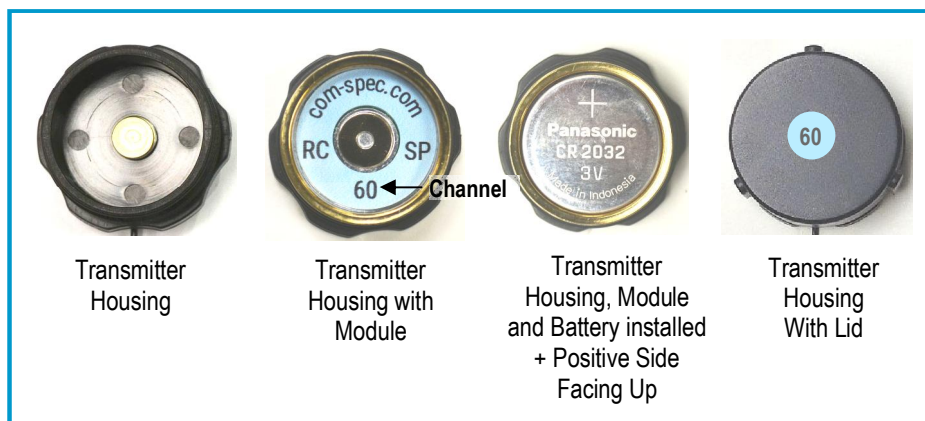
[www.com-spec.com](http://www.com-spec.com) Email: [sales@com-spec.com](mailto:sales@com-spec.com)

## Features

- Shockproof
- Waterproof
- Size : 1.1" diameter, .51" high
- Weight: .45 ounces including the battery
- Powered by a single CR2032 battery (2 included)
- Supplied with 20" easily replaceable antenna
- Factory programmed to any one of your choice of 128 channels
- 25ms wide CW pulses @50 beats/minute
- PLL design with .5 PPM TCXO
- Will not interfere with your on-board electronics
- Full 1 year warranty

## Installation

1. Install the Transmitter Module into the Housing.
2. Place the Battery on top of the module, + positive side up.
3. Twist on the lid.
4. Check for proper operation with your receiver.
5. Install transmitter in the fuselage of your plane. Tape or tie wrap it so it is attached securely. If your plane is composite or has a metal skin, try to trail the antenna outside the fuselage. The antenna may be shortened, but the range will be reduced. A channel number is marked on the top of each unit and also on the transmitter under the battery.



## Available Frequencies for the PR-100 Receiver

*PR-100 Amateur Radio Channel to Frequency List (MHz)*

	60-69		70-79		80-89		90-99		00-09
60	222.250	70	222.450	80	222.650	90	222.850	00	223.110
61	222.270	71	222.470	81	222.670	91	222.870	01	223.130
62	222.290	72	222.490	82	222.690	92	222.890	02	223.150
63	222.310	73	222.510	83	222.710	93	222.910	03	223.170
64	222.330	74	222.530	84	222.730	94	222.930	04	223.190
65	222.350	75	222.550	85	222.750	95	222.950	05	223.210
66	222.370	76	222.570	86	222.770	96	222.970	06	223.230
67	222.390	77	222.590	87	222.790	97	222.990	07	223.250
68	222.410	78	222.610	88	222.810	98	223.010	08	223.270
69	222.430	79	222.630	89	222.830	99	223.090	09	223.290

**R-300** Receiver Frequencies Shown on Back Cover

## Amateur Radio Licensing

Our low powered transmitters shipped to addresses within the USA, now operate only on Amateur Radio frequencies. According to FCC regulations, they require licensing for legal operation. There are no restrictions on their sale or possession, however Communications Specialists urges users to become familiar with and observe all laws and regulations governing Amateur Radio licensing and operation of these transmitters. Please note that Amateur Radio is not for commercial use.

## Available Frequencies for the **R-300** Receiver

*R-300 Amateur Radio Channel to Frequency List ( MHz )*

CH#	222MHz	CH#	223MHz	CH#	224MHz
207	222.070	301	223.010	401	224.010
209	222.090	309	223.090	403	224.030
211	222.110	311	223.110	405	224.050
213	222.130	313	223.130	407	224.070
215	222.150	315	223.150	409	224.090
217	222.170	317	223.170	411	224.110
219	222.190	319	223.190	413	224.130
221	222.210	321	223.210	415	224.150
223	222.230	323	223.230	417	224.170
225	222.250	325	223.250	419	224.190
227	222.270	327	223.270	421	224.210
229	222.290	329	223.290	423	224.230
231	222.310	331	223.310	425	224.250
233	222.330	333	223.330	427	224.270
235	222.350	335	223.350	429	224.290
237	222.370	337	223.370	431	224.310
239	222.390	339	223.390	433	224.330
241	222.410	341	223.410	435	224.350
243	222.430	343	223.430	437	224.370
245	222.450	345	223.450	439	224.390
247	222.470	347	223.470	441	224.410
249	222.490	349	223.490	443	224.430
251	222.510	351	223.510	445	224.450
253	222.530	353	223.530	447	224.470
255	222.550	355	223.550	449	224.490
257	222.570	377	223.770	451	224.510
259	222.590	379	223.790	453	224.530
261	222.610	381	223.810	455	224.550
263	222.630	383	223.830	457	224.570
265	222.650	387	223.870	459	224.590
267	222.670	389	223.890	461	224.610
269	222.690	391	223.910	469	224.690
271	222.710	393	223.930	471	224.710
273	222.730	397	223.970	473	224.730
275	222.750	399	223.990	475	224.750
277	222.770			477	224.770
279	222.790			479	224.790
281	222.810			481	224.810
283	222.830			483	224.830
285	222.850			485	224.850
287	222.870			487	224.870
289	222.890			489	224.890
291	222.910			491	224.910
293	222.930			493	224.930
295	222.950			495	224.950
297	222.970			497	224.970
299	222.990				

Rev. 012116PL

### Special Transmitter Frequencies Available

Any frequency from 222.000 to 224.995 MHz in 1 kHz steps is available for any type of Amateur Radio use for no additional charge.

Communications Specialists

[www.com-spec.com](http://www.com-spec.com)