

RF Synthesizer Module

U.S. Service Information

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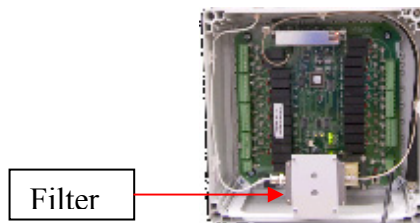
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External Filter

If you have a system purchased after December 9, 2005 with a separate filter (see picture below), the filter is no longer necessary with the new RF receiver module. Please bypass the filter by using the BNC connector that has been provided.



WARNING

THE USE OF THE FILTER IN CONJUNCTION WITH THE NEW RF RECEIVER WILL ADVERSELY EFFECT THE OPERATING RANGE OF THE SYSTEM.

Reprogramming The Synthesizer.

The RF Receiver is programmed in the unit by the *inteleSmart* logic. Frequencies are set by the PDA. See Programming Section. If the RF Receiver is changed and it needs to be programmed by the receiver, this can be done by reprogramming with the PDA or turning on the main power (S1) to the *inteleSmart* receiver while holding down the push button SW3. SW3 should be held down until DS4 goes out (approximately 10 seconds).

The frequency of the unit can be checked either with or without the PDA by checking the channel count to verify that the RF Receiver is programmed to the desired channel.

Channel and Frequency Designations by Count.

Indicator Count	Channel Designator	Actual Frequency
1.	AK01	439.8 MHz
2.	AK02	439.6 MHz
3.	AK03	439.4 MHz
4.	AK04	439.2 MHz
5.	AK05	439.0 MHz
6.	AK06	438.8 MHz
7.	AK07	438.6 MHz
8.	AK08	438.4 MHz
9.	AK09	438.2 MHz
10.	AK10	438.0 MHz
11.	AK11	437.8 MHz
12.	AK12	437.6 MHz
13.	AK13	437.4 MHz
14.	AK14	437.2 MHz
15.	AK15	437.0 MHz
16.	AK16	436.8 MHz
17.	AK17	436.6 MHz
18.	AK18	436.4 MHz
19.	AK19	436.2 MHz
20.	AK20	436.0 MHz
21.	AKA00	433.125 MHz
22.	AKA01	433.325 MHz
23.	AKA02	433.525 MHz
24.	AKA03	433.725 MHz
25.	AKA04	433.925 MHz
26.	AKA05	434.125 MHz
27.	AKA06	434.325 MHz
28.	AKA07	434.525 MHz
29.	AKA08	434.725 MHz
30.	AK38	432.4 MHz
31.	AK50	430.0 MHz

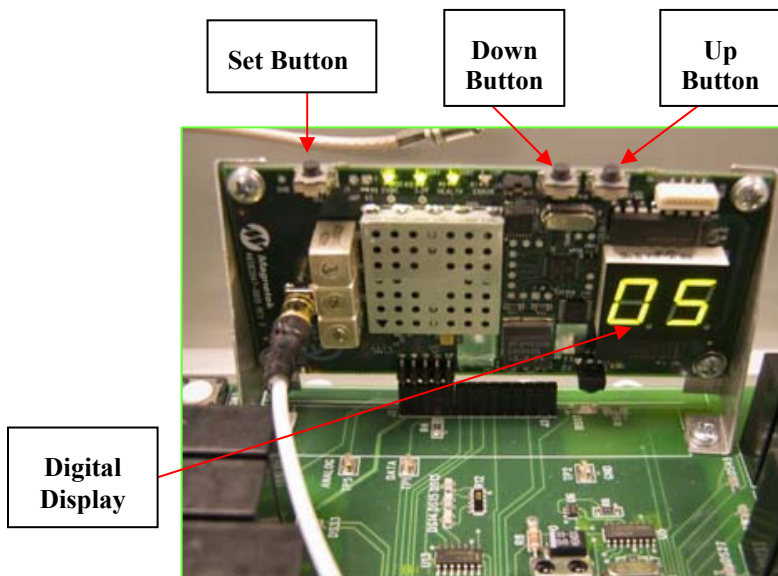
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Manually Reprogramming The Synthesizer.

The RF Receiver can be reprogrammed in the unit without using the PDA. This should only be done on an exception basis for *inteleSmart* Receivers. Programming this way does change the RF frequency, but does not update the PDA settings.

To change the frequency, find the indicator count on the “Channel and Frequency Designation by Count” for your desired frequency. To increase the indicator count, press the up button until the proper indicator count is displayed. Then, press the set button.

To decrease the Indicator count, press the down button until the proper indicator count is displayed. Then, press the set button.



To reset the frequency to the PDA programmed value see Section 7-4 Programming Frequency.

Signal Strength Indicator Mode

The new RF Module is capable of measuring the signal strength for the selected channel. To set the RF Module to the Signal Strength Indicator Mode, press and hold the set button until the digital display goes blank. Then, let off the set button. Now the display will indicate the strength of a signal on that channel.

This feature can be helpful in identifying the best frequency for your Telemotive System. If your transmitter is off and the signal indicator shows a number, consider moving the system to another frequency.