

Super900 Quick Start Guide:

Name	Function	Color
<i>Power</i>	Unit has power and has successfully booted.	Red
<i>RF Link</i>	The radio has successfully linked with its partner.	Green
<i>RF TX</i>	Radio transmission is occurring.	Green
<i>RF RX</i>	Radio reception is occurring.	Green
<i>Eth Link</i>	The Ethernet Port has a valid Ethernet connection	Green
<i>Activity</i>	The AW900i is processing data	Green
<i>1 (channel)</i>	By adding the numbers that are lit the user can determine the current radio channel. 1 903.12500 MHz 7 915.62500 MHz 2 905.20833 MHz 8 917.70833 MHz 3 907.29167 MHz 9 919.79167 MHz 4 909.37500 MHz 10 921.87500 MHz 5 911.45833 MHz 11 923.95833 MHz 6 913.54167 MHz 12 926.04167 MHz	Green
<i>2 (channel)</i>		
<i>4 (channel)</i>		
<i>8 (channel)</i>		
<i>Link Quality Meter</i>	Excellent link quality - No retransmissions	Green
	Very good link quality - Few retransmissions	Green
	Good link quality - Occasional retransmissions	Amber
	Fair link quality - Some retransmissions	Amber
	Poor link quality - Many retransmissions	Red
	No link quality No link available	Red

Automatic frequency mode (DIP switches – all off for automatic mode)

The Super900 is designed to automatically select and continuously optimize the performance of its radio channel. The radio channel is monitored to ensure it is providing low error rates necessary for successful radio transmission. In the event that the error rate rises, the Super900 will automatically change to a new channel.

Manual frequency selection mode

The user may activate a manual selection mode that allows the radio to automatically choose the best channel within a grouped subset of the 12 channels. This is enabled by the 8 position DIP switch on the master unit. These settings allow the Super900 to operate on the optimal channel in one of three subsets; Low 4, Mid 4, or High 4. The DIP switch settings are:

Channels	DIP Setting	Frequency
LOW 4 - 1,2,3 or 4	2 On / 3 Off	902-910 MHz
MID 4 - 5,6,7 or 8	2 Off / 3 On	910-918 MHz
HIGH 4 - 9,10,11 or 12	2 On / 3 On	918-927 MHz

Channel	DIP Setting	Center Frequency
1	5 On / 6 Off / 7 Off / 8 Off	903.12500 MHz
2	5 Off / 6 On / 7 Off / 8 Off	905.20833 MHz
3	5 On / 6 On / 7 Off / 8 Off	907.29167 MHz
4	5 Off / 6 Off / 7 On / 8 Off	909.37500 MHz
5	5 On / 6 Off / 7 On / 8 Off	911.45833 MHz
6	5 Off / 6 On / 7 On / 8 Off	913.54167 MHz
7	5 On / 6 On / 7 On / 8 Off	915.62500 MHz
8	5 Off / 6 Off / 7 Off / 8 On	917.70833 MHz
9	5 On / 6 Off / 7 Off / 8 On	919.79167 MHz
10	5 Off / 6 On / 7 Off / 8 On	921.87500 MHz
11	5 On / 6 On / 7 Off / 8 On	923.95833 MHz
12	5 Off / 6 Off / 7 On / 8 On	926.04167 MHz

The user can also switch to a specific channel. This can be done by settings DIP switches 5-8 as shown in the table above. (Turn 2 and 3 off)