



MITEX RADIOS VHF/UHF FREQUENCIES

Mitex Handheld Radios are popular selling walkie talkies available at Maplins and other places and work on The UKG VHF and UHF Simple UK Light Frequencies. There are currently four types of radios available, these are:



General (UHF)

449.3125/449.400/449.475



Security (UHF)

449.3125/449.400/449.475



Site (UHF)

449.3125/449.400/449.475



Sport (VHF)

164.0500/164.0625/169.0875/169.3125
173.0500/173.0625/173.0875



HD (UHF)

449.3125/449.400/449.475



PMR 446 (UHF)

446.00625/446.01875/446.03125/446.04375
446.05625/446.06875/446.08125/446.09375



MITEX GENERAL RADIOS UHF FREQUENCIES & CTCSS/DCS TONES (RED)

CH	FREQUENCY	TONE
01	449.3125	(CTCSS 67.0)
02	449.4000	(CTCSS 67.0)
03	449.4750	(CTCSS 67.0)
04	449.3125	(CTCSS 141.3)
05	449.4000	(CTCSS 141.3)
06	449.4750	(CTCSS 141.3)
07	449.3125	(DCS 051)
08	449.4000	(DCS 051)
09	449.4750	(DCS 051)
10	449.3125	(DCS 116)
11	449.4000	(DCS 116)
12	449.4750	(DCS 116)
13	449.3125	(CTCSS 118.8)
14	449.4000	(CTCSS 118.8)
15	449.4750	(CTCSS 118.8)
16	SCANS ALL CHANNELS	

The MITEX GENERAL red radios are the biggest selling units and aimed at general use in all kinds of environments. 5 Watt TX Power.
(Simple UK Light Licence required, application form included in box)



MITEX SPORT RADIOS VHF FREQUENCIES & CTCSS/DCS TONES (PURPLE)

CH	FREQUENCY	TONE
01	164.0500	(DCS 627)
02	164.0625	(DCS 627)
03	169.0875	(DCS 627)
04	169.3125	(DCS 627)
05	173.0500	(DCS 627)
06	173.0625	(DCS 627)
07	173.0875	(DCS 627)
08	164.0500	(DCS 734)
09	164.0625	(DCS 734)
10	169.0875	(DCS 734)
11	169.3125	(DCS 734)
12	173.0500	(DCS 734)
13	173.0500	(CTCSS 118.8)
14	173.0625	(CTCSS 118.8)
15	173.0875	(CTCSS 118.8)
16	SCANS ALL CHANNELS	

The MITEX SPORT purple radios are aimed at sporting and outdoor and open country type environments. 5 Watt TX Power. (Simple UK Light Licence required, application form included in box)



MITEX SECURITY RADIOS UHF FREQUENCIES & CTCSS/DCS TONES (BLUE)

CH FREQUENCY TONE

01	449.3125	(CTCSS 67.0)
02	449.4000	(CTCSS 67.0)
03	449.4750	(CTCSS 67.0)
04	449.3125	(CTCSS 71.9)
05	449.4000	(CTCSS 71.9)
06	449.4750	(CTCSS 71.9)
07	449.3125	(CTCSS 74.4)
08	449.4000	(CTCSS 74.4)
09	449.4750	(CTCSS 74.4)
10	449.3125	(CTCSS 77.0)
11	449.4000	(CTCSS 77.0)
12	449.4750	(CTCSS 77.0)
13	449.3125	(CTCSS 118.8)
14	449.4000	(CTCSS 118.8)
15	449.4750	(CTCSS 118.8)
16	SCANS ALL CHANNELS	

The MITEX SECURITY blue radios are, as the title suggests, aimed at security companies. 5 Watt TX Power. (Simple UK Light Licence required, application form included in box)



MITEX SITE RADIOS UHF FREQUENCIES & CTCSS/DCS TONES (ORANGE)

CH FREQUENCY TONE

01	449.3125	
02	449.4000	
03	449.4750	
04	449.3125	
05	449.4000	
06	449.4750	
07	449.3125	
08	449.4000	
09	449.4750	
10	449.3125	
11	449.4000	
12	449.4750	
13	449.3125	(CTCSS 118.8)
14	449.4000	(CTCSS 118.8)
15	449.4750	(CTCSS 118.8)
16	SCANS ALL CHANNELS	

The MITEX SITE orange radios are a rugged radio aimed at building sites, construction, quarries and harsh environments, it is IP rated, water, dust and shock resistant and comes with a free Leather Carry Case and shoulder strap as standard. 5 Watt TX Power. (Simple UK Light Licence required, application form included in box)



MITEX HD RADIOS UHF FREQUENCIES & CTCSS/DCS TONES (BLACK)

<u>CH</u>	<u>FREQUENCY</u>	<u>TONE</u>
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01	449.3125	
02	449.4000	
03	449.4750	
04	449.3125	
05	449.4000	
06	449.4750	
07	449.3125	
08	449.4000	
09	449.4750	
10	449.3125	
11	449.4000	
12	449.4750	
13	449.3125	(CTCSS 118.8)
14	449.4000	(CTCSS 118.8)
15	449.4750	(CTCSS 118.8)
16	SCANS ALL CHANNELS	

The MITEX HD black radios are extra rugged radios designed specifically for dealer & hire application, it is IP rated IP65, water, dust and shock resistant. 5 Watt TX Power.



MITEX PMR 446 RADIOS UHF FREQUENCIES & CTCSS/DCS TONES (BLUE)

CH FREQUENCY TONE

01	446.00625	(CTCSS 67.0)	- Regular 446 CTCSS #1
02	446.01875	(CTCSS 71.9)	- Regular 446 CTCSS #2
03	446.03125	(CTCSS 74.4)	- Regular 446 CTCSS #3
04	446.06875	(CTCSS 79.7)	- Regular 446 CTCSS #5
05	446.04375	(CTCSS 118.8)	- Regular 446 CTCSS #17
06	446.01875	(CTCSS 123.0)	- Regular 446 CTCSS #18
07	446.08125	(CTCSS 118.8)	- Regular 446 CTCSS #17
08	446.09375	(CTCSS 123.0)	- Regular 446 CTCSS #18
09	446.00625	(CTCSS 127.3)	- Regular 446 CTCSS #19
10	446.01875		
11	446.03125		
12	446.04375		
13	446.05625		
14	446.06875		
15	446.08125		
16	SCANS ALL CHANNELS		

Channels 1-3: Compatible with Motorola Channels 1-3

Channels 4-6: Compatible with Kenwood Channels 4-6

Channels 7-9: Compatible with Icom Channels 7-9

The MITEX PMR446 blue radios are licence free lower power 500mw radios (upgradable to 5W) compatible with other branded PMR446 radios aimed at users who don't wish to obtain a licence or higher power channels or who are already PMR 446 users. 500mw TX output power, No licence required.

(446 CTCSS info on next page)

Cheap 446 radios (like the Binatone radios) have numbers for the CTCSS codes rather than displaying the codes directly. There are 38 in total. Below is a complete list of the codes.

1 = 67.0
2 = 71.9
3 = 74.4
4 = 77.0
5 = 79.9
6 = 82.5
7 = 85.4
8 = 88.5
9 = 91.5
10 = 94.8
11 = 97.4
12 = 100.0
13 = 103.5
14 = 107.2
15 = 110.9
16 = 114.8
17 = 118.8
18 = 123.0
19 = 127.3

20 = 131.8
21 = 136.5
22 = 141.3
23 = 146.2
24 = 151.4
25 = 156.7
26 = 162.2
27 = 167.9
28 = 173.8
29 = 179.9
30 = 186.2
31 = 192.8
32 = 203.5
33 = 210.7
34 = 218.1
35 = 225.7
36 = 233.6
37 = 241.8
38 = 250.3

(Sorry if this is going to sound a bit patronising; but this is for the people that don't know)

Pictured below is an example of a dedicated 446 radio. The channel it's on is Channel 8 (446.09375) and it's on sub code (CTCSS) #38 (250.3). So if a Mitex 446 radio needed to be used with store brought Binatone 446 radios, the Binatone radios would need to be set to the sub codes above.

