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RoHS Compliant

CE 0890

LEGEND I

Mobile CB Radio

OWNER'S MANUAL

Table of Contents

1. INTRODUCTION

This specification is the operating guide for the software of CB Transceiver LEGEND I.

2. INCLUDED IN YOUR PACKAGE

If any of these items are missing or damaged, immediately contact your place of purchase.

LEGEND I CB radio

Microphone and hook

Mounting bracket, knobs, and mounting hardware

NOTE! *You must use a CB antenna (sold separately) with this radio.*

3. FEATURES

- AM/FM Mode select
- Priority CH9/19 Mode switch
- Beep Tone on/off
- Key Lock function
- Digital 4 digit S/RF Meter
- Volume Control knob
- Squelch Control knob
- RF Gain Control knob
- Build-in ANL (Automatic Noise Limiter)
- 4 PIN Microphone (with LOCK and 9/19 switch)
- CEPT / ENG mode select [For UK Configuration]
- Configuration (The 5 kinds of channel specifications can be set by the strap option.)
- Multi Configuration (User can select the all 1-5 Configuration by the front panel switches. Refer to Table 3-1. Detail of the Multi Configuration.)

Table 3-1. Detail of the Multi Configuration

Configuration	FM channel	AM channel	Country and region
EU	40CH FM (4W)	40CH AM (4W)	BE, BG, CH, CY, EE, ES, FI, FR, GR, IE, IS, IT, NL, PT, RO, SE
PL	–5KHz 40CH FM (4W)	–5KHz 40CH AM (4W)	PL
D	80CH FM (4W)	40CH AM (4W)	DE
EC	40CH FM (4W)	–	AT, CZ, DK, HU, LU, LT, LV, MT, NO, SI, SK
UK	CEPT 40CH FM (4W) + ENG 40CH FM (4W)	–	GB

4. CONTROLS and REAR PANEL

* These drawings are just for reference, and do not reflect the final product.

Figure 4-1-1. Controls

Figure 4-1-2. Microphone

4.1 Controls

Table 4-1-1. Key / knob / other function / microphone switch function

a) Push switches		Function	
		1st Function (Press this switch momentarily)	2nd Function (Press this switch for one second)
1	[F]	–	Band select switch
		Configuration select mode switch [For Multi Configuration mode]	To decide Configuration, use this switch [For Multi Configuration mode]
2	[UP] ([▲])	Channel Up switch	
		Configuration select [Only Multi Configuration mode]	
		When Power On is done when [UP] switch is being pressed, Key Beep function enable.	
3	[DN] ([▼])	Channel Down switch	
		Configuration select [Only Multi Configuration mode]	
		When Power On is done when [DN] switch is being pressed, Key Beep function disable.	
b) Slide switch		Function	
4	[AM / FM]	AM/FM Mode select switch [Except for EC, UK Configuration]	–
	([CEPT / ENG])	CEPT/ENGLAND select switch [For UK Configuration]	–
	–	*This switch as NO FUNCTION [For EC Configuration]	–
c) Knob and other		Function	
5	[VOL, OFF]	Volume control knob with power on/off	
6	[SQ]	Squelch control knob	
7	[RF GAIN]	RF Gain control knob	
8	LCD Display panel		
9	Microphone socket (4 poles)		
d) Microphone switch		Function	
1	[PTT]	Push to talk switch	
2	[LOCK]	–	Key Lock on/off switch
3	[9/19]	Priority CH9/19 mode switch	–

4.2 Rear Panel

1. ANT. Antenna socket
2. EXT. SP. Connection for external speaker
3. +POWER- Connection for DC Power supply

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1 3

5. DISPLAY

5.1 LCD Display and other Display

Figure 5-1-1. LCD Display

Table 5-1. LCD Display

ELEMENT of LCD		CONTENTS of the INDICATOR
(Channel Indicator)	2- digits	The Configuration code is displayed at Power On. The Configuration code is displayed at Configuration select mode. [Only Multi Configuration mode] Usually indicates the channel number. (Channel number 1-9 is displayed by using only one digit of the lower digit.)
TX	-	TX Indicator
AM	-	AM Mode Indicator
FM	-	FM Mode Indicator
F	-	Configuration select mode Indicator
UK	-	UK (ENGLAND) mode Indicator [Only UK Configuration]
⊶	-	Key Lock Indicator
(S/RF Meter)	4 steps	Signal strength and RF Power Meter

6. TONES

Table 6-1. Beep Tone Description

Tone	CONTENTS of the INDICATOR
Key Touch Tone (Single tone)	• When the push switch is pressed and the each setting is switched to other than off. • When Priority CH9 or 19 modes is on by [9/19] switch. • [UP] switch is pressed (except for Auto Repeat function) and the unit accepts such switch.
Key Touch Tone (Double tone)	• When the push switch is pressed and the each setting is switched to off. • When Priority CH9 and 19 modes is off by [9/19] switch. • [DN] switch is pressed (except for Auto Repeat function) and the unit accepts such switch.
Channel Change Tone (Single tone)	• When the channel is changed by [UP] switch is pressed.
Channel Change Tone (Double tone)	• When the channel is changed by [DN] switch is pressed.
Store Confirmation Tone	• When Configuration select mode is completed. [Only Multi Configuration mode]
Error Tone	• The tone heard when the pressed switch resulted in error. (Except [PTT] switch)
Key Lock Error Tone	• When invalid switch is pressed while Key Lock Function On.
Power On Tone	• The tone heard when the unit is Powered ON.

* Channel Change Tone does not sound while Auto Repeat function by pressing the [UP]/[DN] switch.
* All of the Tone not heard from speaker during Beep Tone disables.
* While transmitting state, all of the Tone not heard from speaker.

7. INSTALLATION

Connect The Microphone

Align the microphone connector with the jack on the front of the radio. Push the connector in firmly and secure it with the locking screw.

Connect The Power

You can connect the radio to any standard 12 volt DC power source, with a negative ground. If you don't know whether your power supply uses a positive or negative ground, consult the manual for your power supply or contact the manufacturer.

* The EUT is supplied by car battery.

WARNING! DO NOT connect this equipment to a power supply if you are not absolutely certain of the grounding type!

1. Make sure your power supply is turned off.
2. Connect the RED lead on the radio to the power supply's POSITIVE (+) pole, and connect the BLACK lead to the power supply's NEGATIVE (–) pole or to a neutral ground such as the chassis.
3. Turn on your power supply.
4. Turn the radio's Volume knob clockwise to power on the radio.

Installing The Mounting Bracket

When choosing the location for the radio's mounting bracket, keep the following things in mind:

▶ Pick a location that does not block your view, interfere with your vehicle's controls, or hinder your driving.
▶ Make sure the radio and microphone are not in front of an airbag.
▶ Pick a solid surface that can support the weight of the bracket and the radio.
▶ Make sure there's enough room. (You may want to put the radio in the bracket when you're choosing where to install the bracket.)

Once you choose the location, use the included, self-tapping screws to attach the mounting bracket to your vehicle (you don't have to drill holes). Slide the radio into the bracket with the rubber rings and use the included knobs to hold it at the preferred angle. You can also attach the microphone holder to either side of the radio, either

vertically or horizontally. To attach the microphone holder, secure it to the side of the radio using the included machine screws.

Connecting An External Antenna

WARNING! The minimum permitted use distance is 0.63m. The antenna must not be collocated or used with any other antenna or transmitter.

CAUTION: Never operate your radio with no antenna or with a damaged antenna cable. This can damage the radio.

You will need to purchase an antenna to operate the radio. There are two basic types of mobile CB antennas—full-length whips and loaded whips—with a wide variety of mounts to suit different vehicle locations.

▶ Choose an antenna that matches the specifications of this radio.
▶ Follow the manufacturer's installation instructions carefully.
▶ Tune your antenna using a Standing-Wave Ratio (SWR) meter: set the radio to channel 20, and adjust the antenna until the SWR is as close as 1:1 as possible.

CAUTION: Make sure the SWR is less than 2:1 before using the radio. An SWR higher than 2:1 can damage the transmitter.

Your dealer can help you select the antenna that is best for your needs. Consult the specifications in the back of this manual for detailed transmitter and antenna information.

8. OPERATIONS

8.1 Common Items

1. Only for Multi Configuration mode, when Power On is done while [F] switch is not pressing, then it becomes normal state of the receiving and transmitting. When Power On is done while [F] switch is pressing, then it becomes Configuration select mode. At this state, it is in mute state, and normal operation of the reception and the transmission cannot be done. [Only for Multi Configuration mode]
2. Except for Multi Configuration mode, even if Power On is done while [F] switch is pressing or not, then it becomes normal state of the receiving and transmitting. [Except for Multi Configuration]
3. In the state that the microphone is not connected, the audio is not output from speaker. Moreover, the audio is not output from speaker while [PTT] switch is being pressed.
4. Connecting the external speaker automatically disconnects the internal speaker.
5. In the state that the transmission is prohibited, " **TX** " icon and the Channel Indicator blink while being pressing [PTT] switch.

8.2 Power On/Off

- Turn the Volume knob clockwise unit turns on and the display comes on.
- Turn the Volume knob counter-clockwise until turns it clicks and the unit turns off.

1. Rotate clockwise [VOL, OFF] knob from switch off producing a click to turn power on. [Except for Multi Configuration mode]
   Rotate clockwise [VOL, OFF] knob from switch off producing a click to turn power on while [F] switch is not pressing. [Only for Multi Configuration mode]
   →The power of the transceiver will be turned on. It becomes normal state that can be received and transmitted.
   The Power On Tone is sounding and the Configuration code character is indicated in Channel Indicator. About two seconds later, the Last Selected Channel number is indicated in Channel Indicator.

2. Rotate counterclockwise [VOL, OFF] knob from switch on producing a click to turn power off.
   →The power of the transceiver will be turned off.

* When Power On is done when [PTT] switch is being pressed, then Transmit is not possible, and " TX " icon and the Channel Indicator blink as long as [PTT] switch is pressed.

* The example of the display, when Power On is done is shown.

 -> After 2 seconds ->

(Configuration code)   (Channel number)
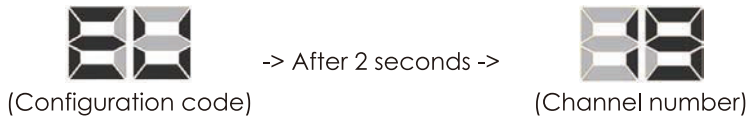
8.3 Volume Level setting

- Turn the Volume knob clockwise to increase the volume.
- Turn it counter-clockwise to decrease the volume.

8.4 Squelch Level setting

- To filter out weaker signals and background noise, turn the [SQ] knob clockwise to increase the squelch level.
- To decrease the squelch level so you can hear weaker radio signals, turn the [SQ] knob counter-clockwise.

8.5 S/RF Meter

Shows the strength of the received signal or the RF output.

- RF Meter: Measures RF Output Power for transmitter. Press [PTT] switch to read transmitting power.
- S Meter: Measures incoming signal strength.

8.6 ANL Function

ANL (Automatic Noise Limiter) is a function to suppress a white noise of AM Mode automatically. The ANL function is built-in, and ANL always works at AM Mode receiving.

8.7 RF Gain Control

[RF GAIN] knob is used to adjust sensitivity (RF Gain) for receiving.
- It is adjusted to RF Gain Down when this knob is turned to the counterclockwise direction.

- It is adjusted to RF Gain Up when this knob is turned to the clockwise direction.

* Normally, this knob is on maximum (fully clockwise).

8.8 CB Channel select

- Push the [UP] switch to move up the channel list.
- Push the [DN] switch to move down the channel list.

8.9 AM/FM Mode [Except for EC, UK Configuration]

- [AM|FM] slide switch is used to switch modulation mode AM/FM. This function is effective in AM/FM model.

* " AM " icon appears in the LCD display when the AM is selected.
* " FM " icon appears in the LCD display when the FM is selected.
* In D Configuration, only CH1-CH40 is possible transmitting and receiving with AM Mode. It becomes FM Mode in channel other than CH1-CH40 regardless of the position of [AM|FM] slide switch. [D Configuration]

8.10 CEPT/ENG select [Only for UK Configuration]

Use [AM|FM] slide switch to switch the CEPT [CEPT] Mode and ENGLAND [ENG] Mode for UK Configuration.

- Move the [CEPT|ENG] switch to CEPT position: Set to CEPT Mode.
- Move the [CEPT|ENG] switch to ENG position: Set to ENGLAND Mode.

* When [CEPT|ENG] slide switch is changed while TX Mode, then TX Mode is finished and CEPT/ENG Mode changes.
* " FM " icon always appears at UK Configuration.
  " UK " icon turns off while CEPT mode.
  " UK " icon turns on while ENGLAND mode.

8.11 TX (Transmitting)

- Tune the radio to the channel you want to transmit on, and listen to make sure the channel is clear.

- Press and hold the [PTT] switch. "" icon turns on.
- Hold the microphone about 2 inches away from your mouth and speak in a normal voice.
- Release the switch to listen for a response. "" icon turns off.

* When power on is done when [PTT] switch is being pressed, then transmit is not possible.

8.12 Priority CH9/CH19 Mode (Channel Mode)

The Channel Mode has 3 states of Normal Mode and Priority CH9/CH19 Mode, by using [9/19] switch on the microphone.

- Push the [9/19] switch; the radio automatically tunes to channel 9. (Priority CH9 Mode)
- Push the [9/19] switch again; the radio automatically tunes to channel 19. (Priority CH19 Mode)
- Push the [9/19] switch once again: return to the previous channel. (Normal Mode)

* The AM/FM modulation mode of Priority CH9/CH19 Mode is selected by [AM|FM] slide switch.
* When [UP]/[DN] switch is pressed during Priority CH9/CH19 Mode, Priority CH9/CH19 Mode is released at present Priority channel and these operations are accepted.
* When other switch except for [UP]/[DN] switch are operated during Priority CH9/CH19 Mode, this mode is maintained and these operations are done.

8.13 Configuration select mode operation [Only for Multi Configuration mode]

1. Turn off the power of this transceiver.

2. Turn on this transceiver's power while [F] switch is being pressed.
   → It goes Configuration select mode. At this mode, " " icon will blink and present Configuration code on Channel Indicator will blink.

Configuration Select Mode

3. At this state, when the [UP] switch is pressed, Configuration code is changed as follows.

1(EU) → 2(PL) → 3(D) → 4(EC) → 5(U) →
↑ ————————————————————————— ↓
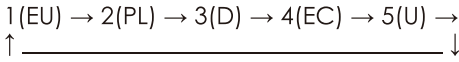
4. Similarly, when the [DN] switch is pressed, Configuration code is changed as follows.

1(EU) ← 2(PL) ← 3(D) ← 4(EC) ← 5(U) ←
↓ ————————————————————————— ↑
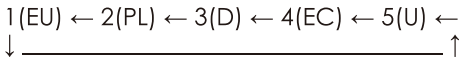
5. When you choose Configuration that wants to be used, press the [F] switch for one second.
   → The new Configuration is decided. The Configuration code indication and "$\mathbf{F}$" icon stop blinking, and the Configuration code　indication is maintained until the power of this transceiver turned　off once.

Ex.) Choosing the PL Configuration

6. When press the [F] switch momentarily while the Configuration code indication and "$\mathbf{F}$" icon are lighting and not blinking.
   → It goes Configuration select state again. "$\mathbf{F}$" icon and present Configuration code on Channel Indicator will blink.

7. Turn off the power of this transceiver once while "$\mathbf{F}$" icon and the Configuration code indication are not blinking. And then turn on the power again while the [F] switch is not pressed.
   → It changes to new Configuration, and it enters a normal state of receiving and transmitting.

   * While Configuration select mode, all other indicator disappears except for "$\mathbf{F}$" icon and Channel Indicator.
   * While Configuration select mode, it is in mute state, and normal operation of the reception and the transmission cannot be done.
   * The selected Configuration code will appear on Channel Indicator while Configuration select mode.
   * When [UP]/[DN] switch is pressed and held for 500msec while Configuration select mode, Auto Repeat function is activated, and the unit will automatically increment or decrement the Configuration code in 200msec speed while pressing.

* While Configuration select mode, Channel number cannot be changed by using [UP]/[DN] switch.
* In each Configuration, Channel number is separately memorized.
* Only when "**F**" icon and Channel Indicator are blinking while Configuration select mode, Configuration can be changed by using [UP]/[DN] switch. When "**F**" icon and Configuration Indicator are not blinking while Configuration select mode, [UP]/[DN] switch is not active.
* When Power On is done while [F] switch is not pressed, then it becomes normal state of the receiving and transmitting.

8.14 Configuration code indication

The character of the Configuration code is displayed on Channel Indicator is as follows.

Configuration 1   Configuration 2   Configuration 3
(EU Configuration)   (PL Configuration)   (D Configuration)

Configuration 4   Configuration 5
(EC Configuration)   (UK Configuration)
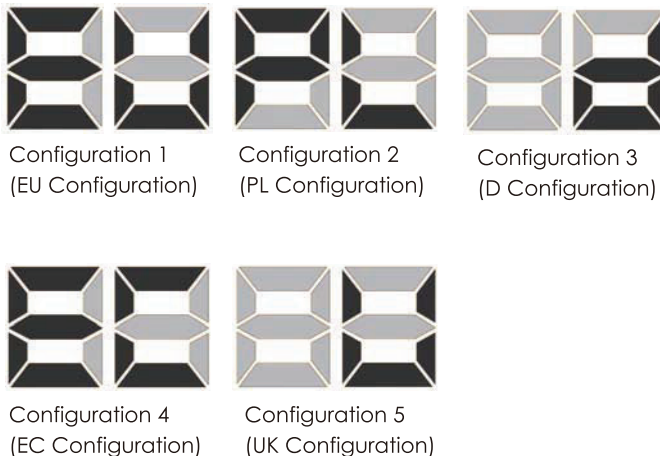
8.15 Beep Tone On/Off

It is a function to switch Beep Tone enable/disable.

- Turn on the power while pressing the [UP] switch only: Beep Tone enable.
- Turn on the power while pressing the [DN] switch only: Beep Tone disable.

* While Beep Tone disable, all the Beep Tone is not sound.
* When power switch is turned on without pressing [UP]/[DN] switch, previous setting as Beep Tone on or off is kept.

8.16 Key Lock Function On/Off

Key Lock Function is a function to disable [UP]/[DN] switch, [9/19] switch and Band select operation.
Push [LOCK] switch on the microphone for one second to switch the Key Lock Function On/Off.

Key Lock Function Off ←→ Key Lock Function On

* [PTT] switch is accepted while Key Lock Function On.
* " " icon appears in the LCD display while Key Lock Function On.
* This operation is accepted while receiving mode.
* Key Lock Function is off when turns off this transceiver's power.

9. MAINTENANCE

Every six to twelve months, check to make sure that...

▶ The Voltage Standing Wave Ratio (VSWR) is less than 2:1.
▶ All electrical connections are secure and free of corrosion.
▶ The antenna cable shows no wear or damage.
▶ All mounting screws are securely fastened.

10. TROUBLESHOOTING

If your radio is not performing to your expectations, please try these simple steps.

Problem:	Things to try:
Radio won't turn on (no power)	1. Check the radio's power cord and all connections. 2. Check the fuse in the radio's power cord. 3. Check your vehicle's electrical system.
Poor reception	1. Adjust the squelch level. 2. Adjust the RF gain level. 3. Check the antenna, cable and connectors. 4. Check operation mode of the radio.
Weak transmission	1. Check the antenna, cable and connectors. 2. Check the antenna grounding. 3. Check for corrosion on the connectors.

Service and repair information
▶ Technical information, diagrams and charts will be provided upon request.
▶ Service, repair, or alignment should only be attempted by a qualified and/or licensed radio technician.
▶ When ordering parts, it is important to specify the correct model number of this radio.

11. SPECIFICATIONS

General	
Channels	40 AM/FM (Config. EU)
Frequency Range	26.965 to 27.405 MHz (Config. EU)
Frequency Control	Phase Locked Loop (PLL) synthesizer
Frequency Tolerance	±600Hz
Operating Temperature	-10°C to +55°C
Microphone	Electret condenser Type Microphone
Input Voltage	12.0 V DC
Current Drain	TX full mod., 2.0A Max
	RX with max. audio output, 0.75A max.
Consumption Power	24W max
Size	125(L) x 45(H) x 170(D) mm
Weight	Approx. 0.65 Kg
Antenna Connector	UHF, SO-239
LCD Meter	Indicates relative RF output and received signal strenght
Filter	ANL (Automatic Noise Limiter) built-in
Transmitter	
Power Output	4 W AM / 4 W FM
Freq. Response	300-3,000 Hz in AM/FM
Output Impedance	50 ohm, unbalanced
Receiver	
Sensitivity	0.7µV for 20dB SINAD typical (limit 1.4µV)
Adjacent Channel Rejection	66 dB typical
Image Rejection	75 dB typical
I.F. Frequency	Double Conversion Superheterodyne
	1st 10.695 MHz
	2nd 455 KHz
Local / DX Range	Adjustable for optimum reception - More than 30 dB (@1µV)
Automatic Gain Control	Less than 10 dB change in audio output for inputs from
(AGC)	10 to 50,000µV
Squelch	Adjustable; threshold less than 1µV
Audio Output Power	3 W max. into 8 ohm
Freq. Response	300 to 3,000 Hz
Distortion	Less than 10%, 0.5W 1KHz

Specifications and features are subject to change without notice.

12. FREQUENCY LIST

12.1.1 CONFIG1 Frequency List (EU Configuration)

CONFIG1 EUROPE 40CH FM (4W) , 40CH AM (4W)

CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX
1	26.965	O	O 4W	O	O 4W
2	26.975	O	O 4W	O	O 4W
3	26.985	O	O 4W	O	O 4W
4	27.005	O	O 4W	O	O 4W
5	27.015	O	O 4W	O	O 4W
6	27.025	O	O 4W	O	O 4W
7	27.035	O	O 4W	O	O 4W
8	27.055	O	O 4W	O	O 4W
9	**27.065**	**O**	**O 4W**	**O**	**O 4W**
10	27.075	O	O 4W	O	O 4W
11	27.085	O	O 4W	O	O 4W
12	27.105	O	O 4W	O	O 4W
13	27.115	O	O 4W	O	O 4W
14	27.125	O	O 4W	O	O 4W
15	27.135	O	O 4W	O	O 4W
16	27.155	O	O 4W	O	O 4W
17	27.165	O	O 4W	O	O 4W
18	27.175	O	O 4W	O	O 4W
19	**27.185**	**O**	**O 4W**	**O**	**O 4W**
20	27.205	O	O 4W	O	O 4W
21	27.215	O	O 4W	O	O 4W
22	27.225	O	O 4W	O	O 4W
23	27.255	O	O 4W	O	O 4W
24	27.235	O	O 4W	O	O 4W
25	27.245	O	O 4W	O	O 4W
26	27.265	O	O 4W	O	O 4W
27	27.275	O	O 4W	O	O 4W
28	27.285	O	O 4W	O	O 4W
29	27.295	O	O 4W	O	O 4W
30	27.305	O	O 4W	O	O 4W
31	27.315	O	O 4W	O	O 4W
32	27.325	O	O 4W	O	O 4W
33	27.335	O	O 4W	O	O 4W
34	27.345	O	O 4W	O	O 4W
35	27.355	O	O 4W	O	O 4W
36	27.365	O	O 4W	O	O 4W
37	27.375	O	O 4W	O	O 4W
38	27.385	O	O 4W	O	O 4W
39	27.395	O	O 4W	O	O 4W
40	27.405	O	O 4W	O	O 4W

* Priority CH9 and CH19 are shown by ▨ in the table.

12.1.2 CONFIG2 Frequency List (PL Configuration)

CONFIG2 POLAND -5KHz 40CH FM (4W) , 40CH AM (4W)

CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX
1	26.960	O	O 4W	O	O 4W
2	26.970	O	O 4W	O	O 4W
3	26.980	O	O 4W	O	O 4W
4	27.000	O	O 4W	O	O 4W
5	27.010	O	O 4W	O	O 4W
6	27.020	O	O 4W	O	O 4W
7	27.030	O	O 4W	O	O 4W
8	27.050	O	O 4W	O	O 4W
9	**27.060**	**O**	**O 4W**	**O**	**O 4W**
10	27.070	O	O 4W	O	O 4W
11	27.080	O	O 4W	O	O 4W
12	27.100	O	O 4W	O	O 4W
13	27.110	O	O 4W	O	O 4W
14	27.120	O	O 4W	O	O 4W
15	27.130	O	O 4W	O	O 4W
16	27.150	O	O 4W	O	O 4W
17	27.160	O	O 4W	O	O 4W
18	27.170	O	O 4W	O	O 4W
19	**27.180**	**O**	**O 4W**	**O**	**O 4W**
20	27.200	O	O 4W	O	O 4W
21	27.210	O	O 4W	O	O 4W
22	27.220	O	O 4W	O	O 4W
23	27.250	O	O 4W	O	O 4W
24	27.230	O	O 4W	O	O 4W
25	27.240	O	O 4W	O	O 4W
26	27.260	O	O 4W	O	O 4W
27	27.270	O	O 4W	O	O 4W
28	27.280	O	O 4W	O	O 4W
29	27.290	O	O 4W	O	O 4W
30	27.300	O	O 4W	O	O 4W
31	27.310	O	O 4W	O	O 4W
32	27.320	O	O 4W	O	O 4W
33	27.330	O	O 4W	O	O 4W
34	27.340	O	O 4W	O	O 4W
35	27.350	O	O 4W	O	O 4W
36	27.360	O	O 4W	O	O 4W
37	27.370	O	O 4W	O	O 4W
38	27.380	O	O 4W	O	O 4W
39	27.390	O	O 4W	O	O 4W
40	27.400	O	O 4W	O	O 4W

* Priority CH9 and CH19 are shown by ▓▓ in the table.

12.1.3 CONFIG3 Frequency List (D Configuration)

CONFIG3 GERMANY 80CH FM (4W) , 40CH AM (4W)

CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX	CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX
1	26.965	O	O 4W	O	O 4W	41	26.565	X	X	O	O 4W
2	26.975	O	O 4W	O	O 4W	42	26.575	X	X	O	O 4W
3	26.985	O	O 4W	O	O 4W	43	26.585	X	X	O	O 4W
4	27.005	O	O 4W	O	O 4W	44	26.595	X	X	O	O 4W
5	27.015	O	O 4W	O	O 4W	45	26.605	X	X	O	O 4W
6	27.025	O	O 4W	O	O 4W	46	26.615	X	X	O	O 4W
7	27.035	O	O 4W	O	O 4W	47	26.625	X	X	O	O 4W
8	27.055	O	O 4W	O	O 4W	48	26.635	X	X	O	O 4W
9	**27.065**	**O**	**O 4W**	**O**	**O 4W**	49	26.645	X	X	O	O 4W
10	27.075	O	O 4W	O	O 4W	50	26.655	X	X	O	O 4W
11	27.085	O	O 4W	O	O 4W	51	26.665	X	X	O	O 4W
12	27.105	O	O 4W	O	O 4W	52	26.675	X	X	O	O 4W
13	27.115	O	O 4W	O	O 4W	53	26.685	X	X	O	O 4W
14	27.125	O	O 4W	O	O 4W	54	26.695	X	X	O	O 4W
15	27.135	O	O 4W	O	O 4W	55	26.705	X	X	O	O 4W
16	27.155	O	O 4W	O	O 4W	56	26.715	X	X	O	O 4W
17	27.165	O	O 4W	O	O 4W	57	26.725	X	X	O	O 4W
18	27.175	O	O 4W	O	O 4W	58	26.735	X	X	O	O 4W
19	**27.185**	**O**	**O 4W**	**O**	**O 4W**	59	26.745	X	X	O	O 4W
20	27.205	O	O 4W	O	O 4W	60	26.755	X	X	O	O 4W
21	27.215	O	O 4W	O	O 4W	61	26.765	X	X	O	O 4W
22	27.225	O	O 4W	O	O 4W	62	26.775	X	X	O	O 4W
23	27.255	O	O 4W	O	O 4W	63	26.785	X	X	O	O 4W
24	27.235	O	O 4W	O	O 4W	64	26.795	X	X	O	O 4W
25	27.245	O	O 4W	O	O 4W	65	26.805	X	X	O	O 4W
26	27.265	O	O 4W	O	O 4W	66	26.815	X	X	O	O 4W
27	27.275	O	O 4W	O	O 4W	67	26.825	X	X	O	O 4W
28	27.285	O	O 4W	O	O 4W	68	26.835	X	X	O	O 4W
29	27.295	O	O 4W	O	O 4W	69	26.845	X	X	O	O 4W
30	27.305	O	O 4W	O	O 4W	70	26.855	X	X	O	O 4W
31	27.315	O	O 4W	O	O 4W	71	26.865	X	X	O	O 4W
32	27.325	O	O 4W	O	O 4W	72	26.875	X	X	O	O 4W
33	27.335	O	O 4W	O	O 4W	73	26.885	X	X	O	O 4W
34	27.345	O	O 4W	O	O 4W	74	26.895	X	X	O	O 4W
35	27.355	O	O 4W	O	O 4W	75	26.905	X	X	O	O 4W
36	27.365	O	O 4W	O	O 4W	76	26.915	X	X	O	O 4W
37	27.375	O	O 4W	O	O 4W	77	26.925	X	X	O	O 4W
38	27.385	O	O 4W	O	O 4W	78	26.935	X	X	O	O 4W
39	27.395	O	O 4W	O	O 4W	79	26.945	X	X	O	O 4W
40	27.405	O	O 4W	O	O 4W	80	26.955	X	X	O	O 4W

* Priority CH9 and CH19 are shown by ▬ in the table.

12.1.4 CONFIG4 Frequency List (EC Configuration)

CONFIG4 CEPT 40CH FM (4W)

CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX
1	26.965	X	X	O	O 4W
2	26.975	X	X	O	O 4W
3	26.985	X	X	O	O 4W
4	27.005	X	X	O	O 4W
5	27.015	X	X	O	O 4W
6	27.025	X	X	O	O 4W
7	27.035	X	X	O	O 4W
8	27.055	X	X	O	O 4W
9	**27.065**	X	X	**O**	**O 4W**
10	27.075	X	X	O	O 4W
11	27.085	X	X	O	O 4W
12	27.105	X	X	O	O 4W
13	27.115	X	X	O	O 4W
14	27.125	X	X	O	O 4W
15	27.135	X	X	O	O 4W
16	27.155	X	X	O	O 4W
17	27.165	X	X	O	O 4W
18	27.175	X	X	O	O 4W
19	**27.185**	X	X	**O**	**O 4W**
20	27.205	X	X	O	O 4W
21	27.215	X	X	O	O 4W
22	27.225	X	X	O	O 4W
23	27.255	X	X	O	O 4W
24	27.235	X	X	O	O 4W
25	27.245	X	X	O	O 4W
26	27.265	X	X	O	O 4W
27	27.275	X	X	O	O 4W
28	27.285	X	X	O	O 4W
29	27.295	X	X	O	O 4W
30	27.305	X	X	O	O 4W
31	27.315	X	X	O	O 4W
32	27.325	X	X	O	O 4W
33	27.335	X	X	O	O 4W
34	27.345	X	X	O	O 4W
35	27.355	X	X	O	O 4W
36	27.365	X	X	O	O 4W
37	27.375	X	X	O	O 4W
38	27.385	X	X	O	O 4W
39	27.395	X	X	O	O 4W
40	27.405	X	X	O	O 4W

* Priority CH9 and CH19 are shown by ▬ in the table.

CONFIG5 CEPT 40CH FM (4W) , ENG 40CH FM (4W)

	CEPT Frequency Mode					ENGLAND Frequency Mode				
CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX	CH NO.	Frequency (MHz)	AM RX	AM TX	FM RX	FM TX
1	26.965	X	X	O	O4W	1	27.60125	X	X	O	O4W
2	26.975	X	X	O	O4W	2	27.61125	X	X	O	O4W
3	26.985	X	X	O	O4W	3	27.62125	X	X	O	O4W
4	27.005	X	X	O	O4W	4	27.63125	X	X	O	O4W
5	27.015	X	X	O	O4W	5	27.64125	X	X	O	O4W
6	27.025	X	X	O	O4W	6	27.65125	X	X	O	O4W
7	27.035	X	X	O	O4W	7	27.66125	X	X	O	O4W
8	27.055	X	X	O	O4W	8	27.67125	X	X	O	O4W
9	**27.065**	X	X	**O**	**O4W**	**9**	**27.68125**	X	X	**O**	**O4W**
10	27.075	X	X	O	O4W	10	27.69125	X	X	O	O4W
11	27.085	X	X	O	O4W	11	27.70125	X	X	O	O4W
12	27.105	X	X	O	O4W	12	27.71125	X	X	O	O4W
13	27.115	X	X	O	O4W	13	27.72125	X	X	O	O4W
14	27.125	X	X	O	O4W	14	27.73125	X	X	O	O4W
15	27.135	X	X	O	O4W	15	27.74125	X	X	O	O4W
16	27.155	X	X	O	O4W	16	27.75125	X	X	O	O4W
17	27.165	X	X	O	O4W	17	27.76125	X	X	O	O4W
18	27.175	X	X	O	O4W	18	27.77125	X	X	O	O4W
19	**27.185**	X	X	**O**	**O4W**	**19**	**27.78125**	X	X	**O**	**O4W**
20	27.205	X	X	O	O4W	20	27.79125	X	X	O	O4W
21	27.215	X	X	O	O4W	21	27.80125	X	X	O	O4W
22	27.225	X	X	O	O4W	22	27.81125	X	X	O	O4W
23	27.255	X	X	O	O4W	23	27.82125	X	X	O	O4W
24	27.235	X	X	O	O4W	24	27.83125	X	X	O	O4W
25	27.245	X	X	O	O4W	25	27.84125	X	X	O	O4W
26	27.265	X	X	O	O4W	26	27.85125	X	X	O	O4W
27	27.275	X	X	O	O4W	27	27.86125	X	X	O	O4W
28	27.285	X	X	O	O4W	28	27.87125	X	X	O	O4W
29	27.295	X	X	O	O4W	29	27.88125	X	X	O	O4W
30	27.305	X	X	O	O4W	30	27.89125	X	X	O	O4W
31	27.315	X	X	O	O4W	31	27.90125	X	X	O	O4W
32	27.325	X	X	O	O4W	32	27.91125	X	X	O	O4W
33	27.335	X	X	O	O4W	33	27.92125	X	X	O	O4W
34	27.345	X	X	O	O4W	34	27.93125	X	X	O	O4W
35	27.355	X	X	O	O4W	35	27.94125	X	X	O	O4W
36	27.365	X	X	O	O4W	36	27.95125	X	X	O	O4W
37	27.375	X	X	O	O4W	37	27.96125	X	X	O	O4W
38	27.385	X	X	O	O4W	38	27.97125	X	X	O	O4W
39	27.395	X	X	O	O4W	39	27.98125	X	X	O	O4W
40	27.405	X	X	O	O4W	40	27.99125	X	X	O	O4W

* Priority CH9 and CH19 are shown by ▨ in the table.

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SGS United Kingdom Limited
Unit 10
Bowburn South Industrial Est.
Bowburn, Durham
DH6 5AD

Notified Body Radio Test Suite Letter
under Annex III

(SGS United Kingdom Ltd is a B S appointed Notified Body (0890) under the
R&TTE Di ective 1999/5/EC)

Product:	M-Tech CB Radio
Product Description:	Vehicle used CB band wireless radio with AM and FM modulation
Model:	LEGEND J
Brand/T ade Name:	Not provided
Frequency / Power:	26.965 – 27.405MHz / 35.92dBm
Issue No. / date:	1 / 13th May 2013
SGS serial number:	159004/1/068/GZ

Essential Radio Test Suites to be Tested:
EN 62311:2008; EN 60065:2002+A1:2006+A11:2008+A2:2010+A12:2011
EN 301 489-1 V1.9.2; EN 301 489-13 V1.2.1;
EN 300 135-2 V1.2.1; EN 300 433-2 V1.3.1

The attention of the specifier, purchaser, installer, or user is drawn to special measures and imitations of use which must be observed when the product is taken into service to maintain compliance with the above directives. Details of these special measures and limitations of use are available on request from the manufacturer, and are also contained in the product literature.

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