LEGEND II

Mobile CB Radio

Instruction Manual

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LEGEND II

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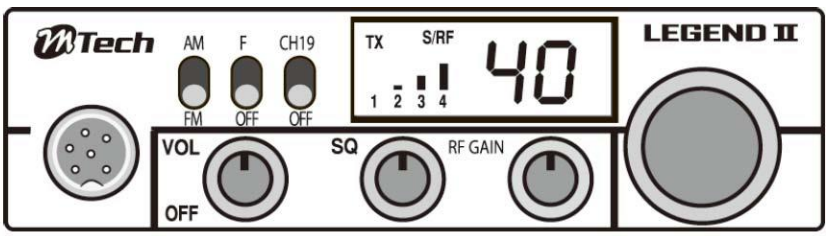
Mobile CB Radio

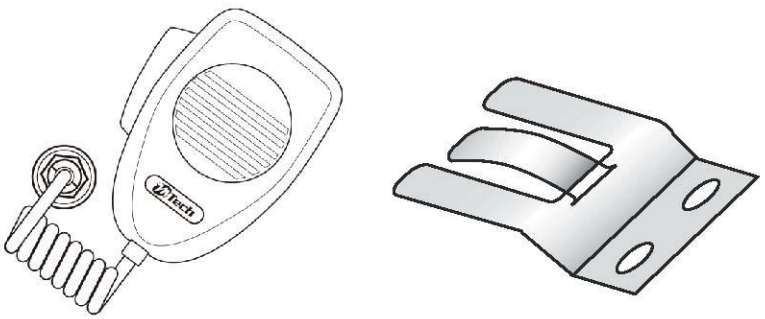
INTRODUCTION

Welcome to the world of Citizens Band radio communications. Your radio is an advanced mobile radio designed for use in the Citizens Band (CB) Radio Service. It will operate on any of the 40 AM/FM frequencies. Your Radio features a super heterodyne circuit with PHASE LOCKED LOOP techniques to assure precise frequency control.

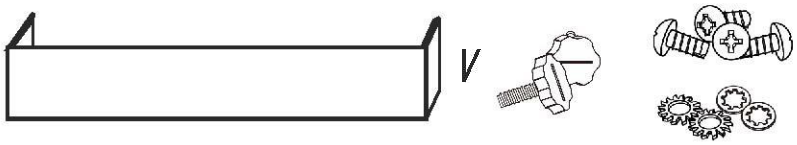
INCLUDED IN YOUR PACKAGE

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





Microphone and hook



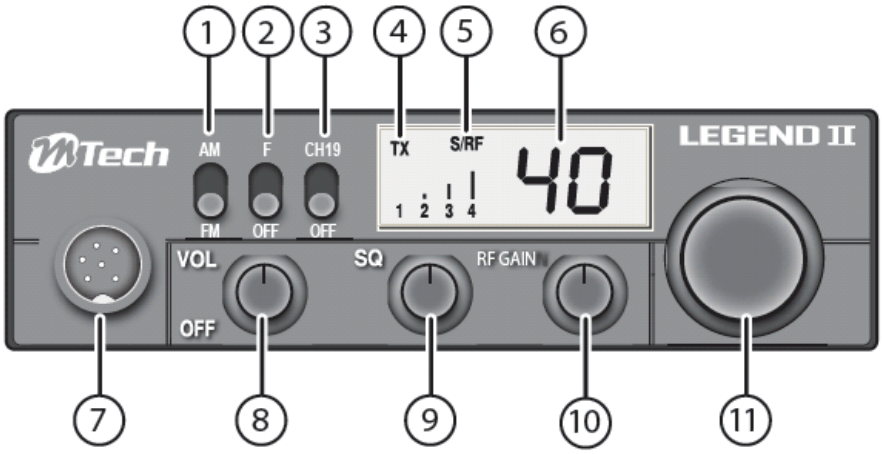
Mounting bracket, knobs, and mounting hardware

▶ Other printed materials

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

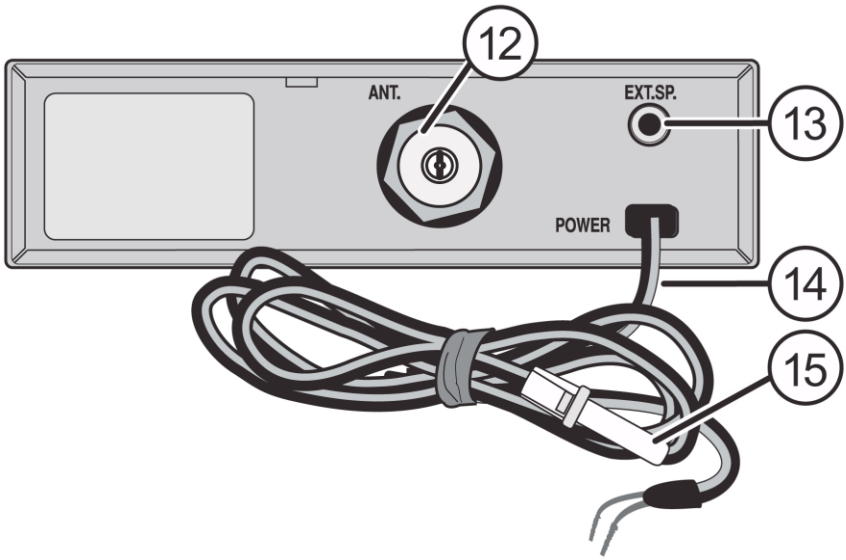
PARTS OF THE RADIO

Front



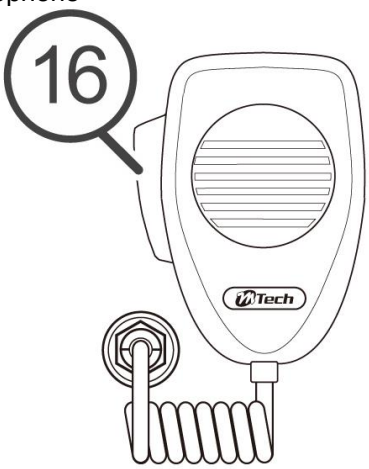
1. AM/FM Select Switch
   Switches modulation mode AM or FM.
2. Config. Select Switch
   Switches config. select mode on or off.
3. CH19 Switch
   Switches the radio over to channel 19.
4. TX LED
   Indicates when the radio is transmitting.
5. S/RF (Signal/RF) Meter
   Shows the strength of the received signal or the RF output.
6. Channel Indicator
   Displays the channel currently in use
7. Microphone Jack
   Connects to the included detachable electret microphone.
8. Volume Control
   Powers on the radio and adjusts the volume.
9. Squelch Knob
   Adjusts the level at which the radio squelches or suppresses weak signals.
10. RF Gain Knob
    Adjusts the level of the signal reception.
11. Channel selector
    Select which channel the radio will transmit or receive on.

Back



12. Antenna connector
Connects to a male PL-259 external antenna cable (antenna sold separately).
13. External Speaker Jack
See Connecting external speakers, below.
14. 12 Volt DC Power Cord
15. Fuse Holder

Microphone



16. Push-to-talk (PTT) button

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.

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 and the microphone bracket to your vehicle (you don't have to drill holes). Slide the radio into the bracket and use the included knobs to hold it at the preferred angle.

Connecting an external antenna
WARNING! The antenna used for this radio must be installed at least 8 inches (20 cm) away from all persons. 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.

Connecting external speakers
Your radio supports a external speaker for remote monitoring features. External speakers are sold separately.

To prevent feedback, direct a speaker away from the microphone.

External monitor

Function	Remote receiver monitoring or substitution for internal speaker
Impedance	8 Ohm
Rating	7 Watts
Connect to	EXT. SP. jack (⅛-in/3.5 mm)
Notes	The internal speaker is disabled when an external speaker is connected.

OPERATION AND MAINTENANCE

Turning the radio on	Turn the Volume knob clockwise until the display backlight comes on.
Turning the radio off	Turn the Volume knob counter-clockwise until it clicks and the display backlight comes off.
Selecting a channel	-The frequency bands must be chosen according to the area where you are going to operate. Do not use another config code. 1) Make sure your power supply is turned off. 2) Slide the F/OFF switch on F position. 3) Turn on your power supply. 4) Selects the desired config. code with the channel selector. 5) Slide the F/OFF switch on OFF position. 6) To confirm the setting, turn off your power supply, and then repeatedly turn on your power supply. -Turn the Channel knob clockwise to move up the channel list. Turn it counter-clockwise to move down the channel list.
Changing the volume	Turn the Volume knob clockwise to increase the volume; turn it counter-clockwise to decrease the volume.
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 button. -Hold the microphone about 2 inches away from your mouth and speak in a normal voice. -Release the button to listen for a response.
Adjust the squelch level	-To filter out weaker signals and background noise, turn the knob clockwise to increase the squelch level. -To decrease the squelch level so you can hear weaker radio signals, turn the knob counter-clockwise.

Adjusting the RF gain	-Turn the knob clockwise to boost the reception of weak signals, or counter-clockwise to reduce the reception of strong signals. -In areas where strong signals cause noise and distortion, reduce the RF gain (turn the knob counter-clockwise). -In areas where weaker signals are difficult to hear, increase the RF gain (turn the knob clockwise).
Using the Instant Channel 19 feature	-Move the CH19 switch up; the radio automatically tunes to channel 19 and disables the channel selector. -Move the switch back down to return to the previous channel and enable the channel selector.

Maintenance

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

► The Standing Wave Ratio (SWR) 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.

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. Check the antenna, cable and connectors. 3. 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.

SGS

Expertise

Expert Opinion of the Notified Body on the Conformity Assessment according to Article 10.5 of R&TTE Directive 1999/5/EC

of the Notified Body SGS
EU Identification Number 2150

recognized by Bundesnetzagentur

BNetzA-bS-09/51-57

The certificate shall not be reproduced except in full without the written approval of the issuing notified body

Registration-No.	ZF0100001
Certificate Holder	M-TECH DYNAMIC CORPORATION LTD.
	Unit 5, 17/F, Grandtech Centre, 8 On Ping Street, Shatin, New Territories, Hong Kong
Product Designation	LEGEND II
Product Description	M-Tech CB Radio

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	EN 62311:2008 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011	compliant
Article 3.1b): Electromagnetic Compatibility	ETSI EN 301 489-1 (V1.8.1, 2008) ETSI EN 301 489-13 (V1.2.1, 2002)	compliant
Article 3.2: Effective Use of the Radio Spectrum	ETSI EN 300 135-2 (V1.2.1, 2008) ETSI EN 300 433-2 (V1.3.1, 2011)	compliant

Marking

EC conformity marking
Marking Example according to R&TTE Directive 1999/5/EC, § 12: CE 2150 !

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (1 page(s)).

approved by:	Date	Signature
Beier Head of Notified Body R&TTE	Jun 20, 2012	i.V. Beier
Werner Deputy Head of Notified Body R&TTE	Jun 20, 2012	i.A. Werner

This document was signed electronically.

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SPECIFICATIONS

General	
Channels	40 AM/FM (Config. E)
Frequency Range	26.965 to 27.405 MHz (Config. E)
Frequency Control	Phase Locked Loop (PLL) synthesizer
Frequency Tolerance	±600Hz
Operating Temperature	-10ºC to +55ºC
Microphone	Electret condenser Type Microphone
Input Voltage	13.2 V DC
Current Drain	TX full mod., 2.0A Max
	RX with max. audio output, 1.5A Max
Size	115(L) x 180(H) x 35(D) mm
Weight	0.8kg
Antenna Connector	UHF, SO-239
LED Meter	Indicates relative RF output and received signal strength
Filter	ANL(Automatic Noise Limiter) built-in
Transmitter	
Power Output	4Watts AM / 4 Watts FM
Modulation	Class B amplitude modulation
Freq. Response	300-3000 Hz in AM/FM
Output Impedance	50 ohms, unbalanced
Receiver	
Sensitivity	0.7μV for 20dB SINAD typical(limit 1.4μV)
Adjacent Channel Rejection	66dB typical
Image Rejection	75 dB typical
I.F. Frequency	Double Conversion Superheterodyne
	1st 10.695 MHz
	2nd 455 KHz
RF Gain Control	Adjustable for optimum reception – More than
	20 dB (@1μV)
Automatic Gain Control (AGC)	less than 10dB change in audio output for inputs from 10
Squelch	Adjustable; threshold less than1μV
Audio Output Power	5 watts max. into 8 ohms
Freq. Response	300 to 3,000 Hz
Distortion	Less than 10%, 0.5W 1KHz

Specifications and features are subject to change without notice.

CHANNELS AND FREQUENCIES

CH	Freq.	CH	Freq.
1	26.965 MHz	21	27.215 MHz
2	26.975 MHz	22	27.225 MHz
3	26.985 MHz	23	27.255 MHz
4	27.005 MHz	24	27.235 MHz
5	27.015 MHz	25	27.245 MHz
6	27.025 MHz	26	27.265 MHz
7	27.035 MHz	27	27.275 MHz
8	27.055 MHz	28	27.285 MHz
9	27.065 MHz	29	27.295 MHz
10	27.075 MHz	30	27.305 MHz
11	27.085 MHz	31	27.315 MHz
12	27.105 MHz	32	27.325 MHz
13	27.115 MHz	33	27.335 MHz
14	27.125 MHz	34	27.345 MHz
15	27.135 MHz	35	27.355 MHz
16	27.155 MHz	36	27.365 MHz
17	27.165 MHz	37	27.375 MHz
18	27.175 MHz	38	27.385 MHz
19	27.185 MHz	39	27.395 MHz
20	27.205 MHz	40	27.405 MHz

NORMS

Config. code	FM channel	AM channel
E	40CH FM (4W)	40CH AM (4W)
	26.965 to 27.405MHz	26.965 to 27.405MHz
d	80CH FM (4W)	80CH AM (1W)
	26.565 to 27.405MHz	26.565 to 27.405MHz
d2	40CH FM (4W)	40CH AM (1W)
	26.965 to 27.405MHz	26.965 to 27.405MHz
EU	40CH FM (4W)	40CH AM (1W)
	26.965 to 27.405MHz	26.965 to 27.405MHz
EC	40CH FM (4W)	
	26.965 to 27.405MHz	-
U	AM Position (CEPT) 40CH FM (4W)	-
	26.965 to 27.405MHz	
	FM Position (ENG) 40CH FM (4W)	
	27.60125 to 27.99125MHz	
PL	–5KHz 40CH FM (4W)	–5KHz 40CH AM (4W)
	26.96 to 27.4MHz	26.96 to 27.4MHz

CE 2150

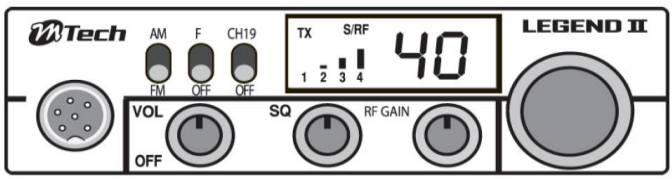
Printed in China.
UTZZ01370GZ(0)

INSTRUCTIUNI DE UTILIZARE STATIE RADIO CB LEGEND II

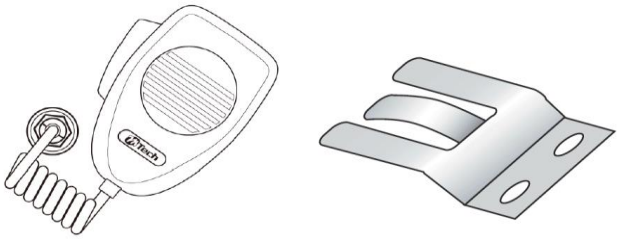
Bine ati venit in comunitatea utilizatorilor de statii radio in banda libera CB. Statia dvs este o unitate radio avansata destinata utilizarii in banda libera. Statia va opera pe oricare dintre cele 40 frecvente radio AM/FM. Statia dvs poseda un circuit heterodin avansat folosind tehnologia buclei inchise de faza (PLL) pentru a asigura un control precis al frecventei.

COMPONENTA PACHETULUI

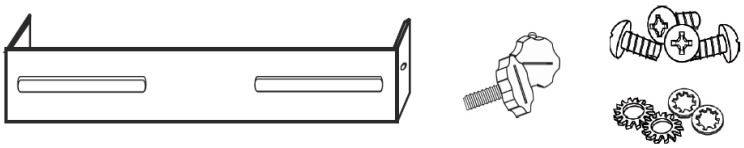
Daca una sau mai multe dintre urmatoarele componente lipsesc sau sunt deteriorate contactati imediat furnizorul.



Statie



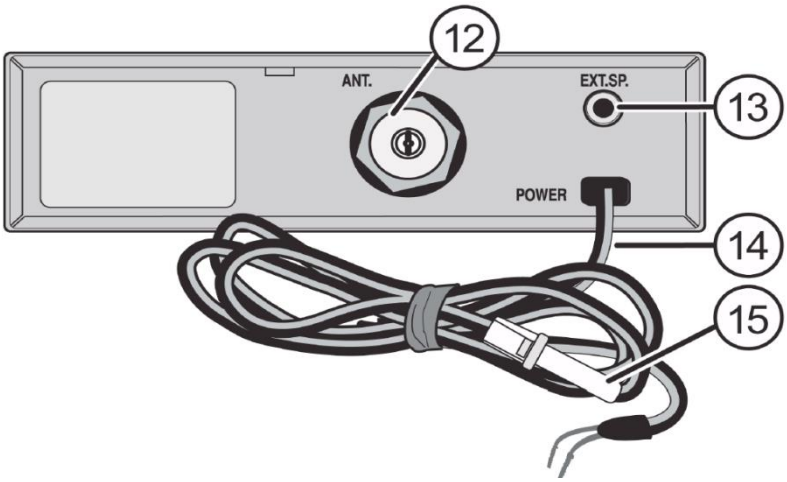
Microfon si clema pentru prindere



Suport pentru montaj, suruburi si piulite pentru prindere

Nota: Va trebui sa folositi o antena exterioara CB vanduta separat.

DESCRIEREA PRODUSULUI

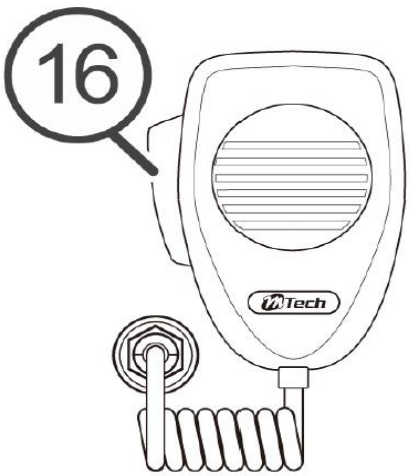


12 Mufa pentru antena – se conecteaza antena printr-un conector tata PL-259 (antena se vinde separat).

13 Jack pentru difuzor exterior

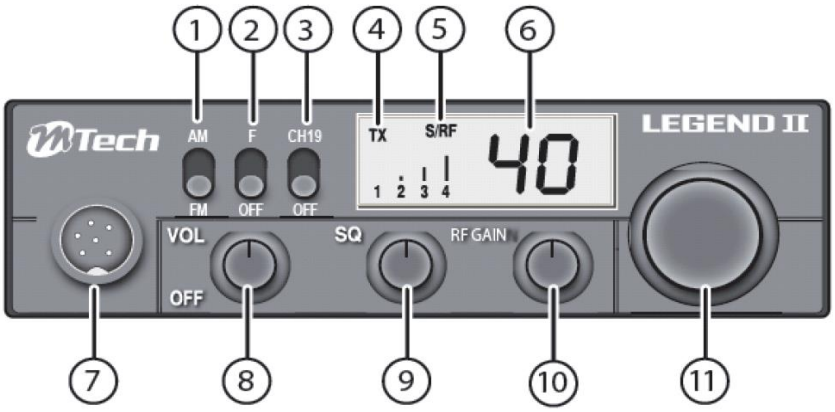
14 Cablu de alimentare pentru 12V

15 Suport pentru siguranta



16 Microfon PTT – buton de emisie (apasa sa vorbesti)

FATA STATIEI



1 **Switch selectie AM/FM –** schimba modul de modulatie de la AM la FM.

2 **Switch pentru selectarea configuratiei –** activeaza sau dezactiveaza meniul setarilor pe tari.

3 **Switch pentru canalul 19 –** trece statia pe canalul 19.

4 **Led TX** – este activ cand statia emite.

5 **Indicator S/RF (Semnal/RF)** – indica nivelul semnalului receptionat sau a semnalului de iesire.

6 **Indicator pentru canal** – arata canalul curent.

7 **Jack pentru microfon –** Conector pentru microfonul exterior.

8 **Potentiometru pentru volum** – porneste statia si ajusteaza volumul difuzorului.

9 **Potentiometru pentru squelch** – ajusteaza semnalul receptionat si inlatura zgomotul de fond.

10 **Potentiometru RF Gane** – ajusteaza nivelul sensibiliatatii receptiei.

11 **Potentiometru pentru selctarea canalelor** – selecteaza canalul pe care doriti sa emiteti sau sa receptionati.

INSTALAREA STATIEI

Conactarea microfonului

Aliniati conectorul microfonului cu cel de pe fata statiei. Amplasati conectorul ferm si asigurati-l invartind siguranta pentru fixare.

Alimentarea statiei

Puteti alimenta statia la orice sursa de 12V cu o impamantare negativa. Daca nu sunteti sigur ca sursa de curent are o impamantare

pozitiva sau negativa adresati-va producatorului sau consultati manualul autovehiculului.

ATENTIE! Nu alimentati statia la o sursa de energie daca nu sunteti sigur de tipul de impamantare al acesteia.

1. Asigurati-va ca sursa de alimentare este oprita.
2. Legati firul rosu de alimentare al statiei la polul pozitiv (+) al sursei de alimentare si conectati firul negru al statiei la polul negativ (-) al sursei de alimentare sau la o masa negativa (de exemplu caroseria masinii).
3. Porniti sursa de limentare.
4. Rotiti de potentiomentrul pentru volum in sensul acelor de ceasornic pentru a porni statia.

Montajul suportului pentru statie

Cand alegeti locul pentru montajul statiei va rugam sa aveti in vedere urmatoarele aspecte:

- Alegeti o locatie care nu va va ingradi campul vizual si nu va va incomoda la operarea autovehiculului.
- Asigurati-va ca statia si microfonul acesteti nu sunt in dreptul unui airbag.
- Alegeti o suprafata solida de montaj care poate suporta greutatea statiei si a suportului acesteia.
- Asigurati-va ca aveti destul loc pentru montaj (Faceti proba cu statia in suport inainte de intalarea finala a suportului).

Dupa ce ati ales locatia potrivita folositi suruburile pentru a atasa suportii de prindere pentru statie si antena (nu este necesar sa gauriti bordul pentru a monta suportii de prindere). Amplasati statia in suport si folositi suruburile pentru a o fixa in unghiul dorit.

Montajul antenei exterioare

AVERTISMENT! Antena exterioara trebuie montata la o distanta de cel putin 63 cm de toate peroanale din autovehicul. Antena trebuie folosita singura altfel va interfera cu orice alta antena sau transmitator aflat in masina.

ATENTIE! Nu folositi niciodata statia fara antena sau cu o antena care are cablul avariat deoarece riscati sa stricati statia.

Va trebui sa achizitionati o antena pentru a putea folosi statia. Sunt doua tipuri principale de antene CB: cu spic lung si cu spic spiralat, fiecare avand diferiti suporti de montaj in functie de locatia unde se monteaza antena.

- Alegeti o antena care sa se potriveasca cu specificatiile statiei.

- Urmati instructiunile de instalare furnizate de producator.
- Calibrati antena pe masina folosind un SWR metru: setati statia pe canaluil 20 si ridicati sau coborati spicul antenei in suport pana SWR-ul indicat este cat mai aproape de 1:1.

ATENTIE! Asigurati-va ca SWR-ul este sub 2:1 inainte de a folosi statia. Un SWR mai mare poate deteriora transmitatorul.

Dealerul dvs va poate ajuta sa alegeti antena potrivita. Consultati detalile tehnice de la sfarsitul acestui manual pentru statie si antena.

Conectarea unui difuzor exterior suplimentar

Statia dvs suporta un difuzor exterior suplimentar. Difuzoarele sunt vandute separat. Pentru a evita microfonia montati difuzorul la distanta de microfon.

Difuzor suplimentar

Functie	Difuzor suplimentar care monitorizeaza sau inlocuieste difuzorul incorporat
Impedanta	8 Omi
Putere	7 Wati
Conexiune la	Jack exterior SP (3.5 mm)
Observatii	Difuzorul intern este deconectat cand exista un difuzor extern functional.

INSTRUCTIUNI DE OPERARE SI INTRETINERE

Pornirea statiei	Invartiti potentiometrul de volum in sensul acelor de ceasornic pana se ilumineaza display-ul.
Oprirea statiei	Invartiti potentiometrul de volum in sens invers acelor de ceasornic pana se aude un click si display-ul se stinge.
Selectarea unui canal	Benzile de frecventa trebuiesc alese in functie de zona unde doriti sa activati. Nu folositi alt cod de configurare. • Asigurati-va ca alimentarea statiei este oprita . • Mutati butonul pentru configuratie F/OFF in pozitia F. • Alimentati statia. • Selectati codul de configuratie dorit cu ajutorul selectorului de canale. • Mutati butonul pentru configuratie F/OFF in pozitia OFF.

	• Pentru a confirma setarea opriti si porniti alimentarea cu energie in mod repetat. Rotiti potentiometrul pentru selectarea canalelor in sensul acelor de ceasornic pentru a va deplasa in sus in cadrul listei de canale, rotiti-l in sensul invers acelor de ceasornic pentru a va deplasa in jos in lista de canale.
Ajustarea volumului	Rasuciti potentiometrul pentru volum in sensul acelor de ceasornic pentru a creste volumul si in sens invers acelor de ceasornic pentru a-l diminua.
Emiterea	• Treceti statia pe canalul pe care doriti sa emiteti si ascultati cu atentie ca sa va asigurati ca acel canal este liber. • Apasati si tineti apasat butonul **PTT.** • Tineti microfonul la circa 5 cm distanta de gura si vorbiti normal. • Eliberati butonul pentru a asculta raspunsul interlocutorului.
Ajustarea squelch-ului	• Pentru a filtra zgomotele de fundal si semnalele slabe invartiti potentiometrul de squelch in sensul acelor de ceasornic pentru a creste nivelul de filtrare. • Pentru a scadea nivelul de filtrare sa auziti si semnalele slabe invartiti potentiometrul in sens invers acelor de ceasornic.
Ajustarea gain-ului RF	• Rasuciti potentiometrul de RF Gain in senul acelor de ceasornic pentru a creste receptia smanalelor slabe si in sens invers pentru a reduce receptia semnaleor puternice. • In zonele in care semnalele foarte putenice creaza zgomot crescut si distorsiuni reduceti RF Gain-ul (invartiti potentiometru in sensul invers acelor de ceasornic). • In zonele in care semnalele slabe sunt dificil de auzit cresteti nivelul RF Gain-ului (invartiti potentiometru in sesul acelor de ceasornic).
Utilizarea functiei canalului instant 19	• Pozitionati in sus switch-ul pentru canalul 19 (statia se va seta automat pe canalul 19 blocand selectia de canale). • Pozitionati switch-ul in jos pentru a va intoarce la canalul initial si a activa selactia de canale.

Instructiuni de intretinere

La fiecare 6-12 luni va rugam sa verificati:

- SWR-ul sa fie sub 2:1
- Toate conexiunile electrice sunt sigure si fara coroziuni ale cablurilor
- Cablul antenei nu are semne de imbatranire si nu este avariat.
- Toate suruburile suportului de montaj sunt sigure.

SOLUTIONAREA PROBLEMELOR

Probelma	Solutie
Statia nu porneste (nu intra curent)	• Verificati cablul de alimentare si toate mufele. • Verificati siguranta aflata pe cablul de alimentare. • Verificati sistemul electric al masinii.
Receptie deficitara	• Ajustati nivelul squelch-ului. • Ajustati nivelul RF Gain-ului. • Verificati antena, cablul si mufele acesteia. • Verificati in ce mod de receptie este statia.
Transmisie slaba	• Verificati antena, cablul si mufele acesteia. • Verificati impamantarea antenei. • Verificati coroziunea mufelor

INFORMATII PENTRU SERVICE SI REPARATIE

- Date tehnice suplimentare, diagrame si tabele de date vor fi oferita la cerere.
- Servisarea statiei si calibrarea antenei trebuiesc facute numai de catre un tehnician autorizat.
- Cand comandati piese de schimb este important sa furnizati modelul statiei.

SPECIFICATII TEHNICE

Specificatii generale	
Nr. canale	40 canale AM/FM
Plaja de frecvente	26 965 la 27 405 MHz
Controlul frecventei	Sintetizator care foloseste tehnologia buclei inchise de faza(PLL)
Toleranta frecventei	+/- 600Hz
Temperatura de operare	-10 grade Celsius pana la +55 grade Celsius

Microfon	Microfon cu condensator izolat
Puterea de intrare	12 V
Intensitatea curentului consumat	• Maxim 2 Amp in modul de transmisie • maxim 1.5A in modul de receptie
Putere consumata	Maxim 24W
Dimensiuni	115 x 180 x 35 mm
Greutate	0.8 kg
Tip conector pentru antena	UHF, SO-239
Indicator LED	Indica puterea relativa a semnalului de iesire si a celui receptionat .
Filtru	Filtru ANL (limitare automata a zgomotului) incorporat.
Transmisie	
Puterea de iesire	4W AM/ 4W FM
Raspunsul in frecventa	300 – 3 000 in AM/FM
Impedanta la iesire	50 Omi neechilibrat
Receptie	
Sensibilitate	0.7µV pentru 20 dB (limita la 1.4µV).
Rejectia canalului adiacent	66 dB
Rejectia imaginii	75 dB
Controlul frecventei	Conversie dubla superheterodina • prima 10 695 Mhz • a doua 455 KHz
Raza de actiune a gain-ului pentru frecventa	Ajustabila pentru receptie optima – mai mare de 20 dB (@1µV).
Control automat al gain-ului (AGC)	Sensibilitate mai mica de 10 dB la iesirea audio pentru semnale de intrare de la 10 la 50 000µV
Squelch	Ajustabil, sub 1µV
Puterea de iesire	Maxim 5 W la o impedanta de 8 Omi
Raspuns in frecventa	300 la 3 000 Hz

Distorsiuni	Mai putin de 10%, 0.5W 1KHz

Specificatiile si carecteristicile tehnice pot fi schimbate fara previz.

LISTA CANALE SI FRECVENTE

Canal	Frecventa	Canal	Frecventa
1	26.965 MHz	21	27.215 MHz
2	26.975 MHz	22	27.225 MHz
3	26.985 MHz	23	27.255 MHz
4	27.005 MHz	24	27.235 MHz
5	27.015 MHz	25	27.245 MHz
6	27.025 MHz	26	27.265 MHz
7	27.035 MHz	27	27.275 MHz
8	27.055 MHz	28	27.285 MHz
9	27.065 MHz	29	27.295 MHz
10	27.075 MHz	30	27.305 MHz
11	27.085 MHz	31	27.315 MHz
12	27.105 MHz	32	27.325 MHz
13	27.115 MHz	33	27.335 MHz
14	27.125 MHz	34	27.345 MHz
15	27.135 MHz	35	27.355 MHz
16	27.155 MHz	36	27.365 MHz
17	27.165 MHz	37	27.375 MHz
18	27.175 MHz	38	27.385 MHz
19	27.185 MHz	39	27.395 MHz
20	27.205 MHz	40	27.405 MHz

NORME

Cod de configurare	Canal FM	Canal AM
E	40 canale FM (4W) de la 26.965 la 27.405 MHz	40 canale AM (4W) de la 26.965 la 27.405 MHz
d	80 canale FM (4W) de la 26.565 la 27.405 MHz	80 canale AM (1W)de la 26.565 la 27.405 MHz

d2	40 canale FM (4W) de la 26.965 la 27.405 MHz	40 canale FM (4W) de la 26.965 la 27.405 MHz
EU	40 canale FM (4W) de la 26.965 la 27.405 MHz	80 canale FM (4W) de la 26.965 la 27.405 MHz
EC	40 canale FM (4W) de la 26.965 la 27.405 MHz	-
U	Pozitia AM(CEPT) 40 canale FM (4W) de la 26.965 la 27.405 MHz Pozitia FM (ENG) 40 canale FM (4W) de la 27.60125 la 27.99125 MHz	-
PL	-5KHz 40 canale FM (4W) de la 26.96 la 27.4 MHz	-5KHz 40 canale AM (4W) de la 26.96 la 27.4 MHz

SGS

Expertise

Expert Opinion of the Notified Body on the Conformity Assessment according to Article 10.5 of R&TTE Directive 1999/5/EC

of the Notified Body SGS
EU Identification Number 2150

recognized by Bundesnetzagentur

BNetzA-bS-09/51-57

Registration-No.	ZF0100001
Certificate Holder	M-TECH DYNAMIC CORPORATION LTD.
	Unit 5, 17/F, Grandtech Centre, 8 On Ping Street, Shatin, New Territories, Hong Kong
Product Designation	LEGEND II
Product Description	M-Tech CB Radio

The certificate shall not be reproduced except in full without the written approval of the issuing notified body

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	EN 62311:2008 EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011	compliant
Article 3.1b): Electromagnetic Compatibility	ETSI EN 301 489-1 (V1.8.1, 2008) ETSI EN 301 489-13 (V1.2.1, 2002)	compliant
Article 3.2: Effective Use of the Radio Spectrum	ETSI EN 300 135-2 (V1.2.1, 2008) ETSI EN 300 433-2 (V1.3.1, 2011)	compliant

Marking

EC conformity marking
Marking Example according to R&TTE Directive 1999/5/EC, § 12: CE 2150

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (1 page(s)).

approved by:	Date	Signature
Beier Head of Notified Body R&TTE	Jun 20, 2012	i.V. Beier
Werner Deputy Head of Notified Body R&TTE	Jun 20, 2012	i.A. Werner

This document was signed electronically.

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