



TTI makes difference Brings world together

2015 GENERAL **PRODUCT CATALOGUE**

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CB RADIOS

Citizen Band Mobile Transceivers

TCB-440/550N/560/771/881/900/1100/TX-410/R2000

TCB-440 is the smallest one but capable of achieving desirable performance that any other conventional medium sized transceivers have like DSS and noise blanker. Minimized and simplified button layout focuses on easy access to the main operations at a glance. Major functions can be selected and adjusted by the easy-to-use rotary knobs. One encoder switch adds to your fun.

FEATURES

- > 12V Input
- > Multiple Bands
- > 4W Output Power
- > AM/FM Operation
- > ANL
- > DSS(Dynamic Squelch System)
- > Noise Blanker
- > Blue Illumination
- > Emergency Channel
- > Scan
- > Keypad Lock
- > Dimension(W×H×L):
109×29.5×115 mm

- European multi-frequency bands
- Noise Blanker Imbedded
- Encoder switch for volume and channel change



TCB-550N

is designed to hang on any place in vehicle by its compact and slim size, but it still has powerful features including Multi-Bands Capabilities.

Easy operation by simplified function selection is another big advantage.

The combination of conventional black housing and big LCD with the blue illumination encompasses a wide range of advanced technology.



Slim & Compact Auto Squelch Imbedded

Smallest sized, TCB-550 is equipped with the state-of-the-art technology of Auto Squelch which works perfectly in the FM mode.

A simple clicking of the squelch control will always lead you to the manual squelch mode.

FEATURES

- > Multiple Bands
- > 4 Watts Output Power
- > AM/FM Operation
- > Menu Mode
(Beep Tone On/Off, TOT, Backlight Dimmer)
- > Emergency Channel (9/19)
- > Scan
- > Keypad Lock
- > Squelch Control (Auto/Manual)
- > Blue Illumination
- > Dimension (WxHxL) : 124x37x135 mm

TCB-560

, developing the performance of TCB-550, offers abundant features such as DSS(Dynamic Squelch System) that is one step advanced system, changeable Backlighting System and 12/24 Dual voltage operation. The components have changed to more reliable ones to guarantee unchangeable, less degradable performance.

FEATURES

- > Compact Size
- > 12/24 Volt Input
- > Multiple Bands
- > 4W Output Power
- > AM/FM Operation
- > DSS(Dynamic Squelch System)
- > Three Color Backlighting (Red/Blue/Purple)
- > Emergency Channel(9/19)
- > Scan
- > NB (Noise Blanker)
- > Dimension (WxHxL) : 124x37x135 mm

Affordable,
Attractive,
High performance
CB Radio
with the offers of
Astonishing
Features



FEATURES

- > 12/24 Volt Input
- > Multiple Bands
- > 4 Watts Output Power
- > AM/FM Operation
- > Menu Mode
(Beep Tone On/Off, TOT, Backlight Dimmer)
- > Emergency Channel (9/19)
- > Scan
- > Keypad Lock
- > Remote Channel Up/Down
- > External Speaker Connection Jack
- > External S-Meter Connection Jack
- > Quick Channel Up/Down
- > Squelch Control
- > DSS (Dynamic Squelch Control System)
- > Blue Illumination
- > Dimension (WxHxL) : 140x37x186 mm

Dynamic-Squelch System! & Dual Voltage!

Succeeding most of the proven capability of TCB-770, TCB-771 responds to the customer requirement for free connection to ant power sources of vehicles this transceiver is used in.

TCB-771 along with dual voltage capability will become a new market leader in the industry. TCB-771 has all the features and advantages of TCB-770 as well. Whether you are using the TCB-771 in a truck, car or at home, you will appreciate the ease of operation and excellent quality of communications. DSS (Dynamic Squelch System) adds to many a joy of operation.



FEATURES

- > 12/24 Volt Input
- > Multiple Bands
- > 4 Watts Output Power
- > AM/FM Operation
- > Menu Mode
(Beep Tone On/Off, TOT, Backlight Dimmer)
- > Emergency Channel (9/19)
- > Scan
- > Keypad Lock
- > Remote Channel Up/Down
- > External Speaker Connection Jack
- > External S-Meter Connection Jack
- > 4 Memory Buttons
- > Squelch Control
- > DSS (Dynamic Squelch Control System)
- > Blue Illumination
- > Quick Channel Up/Down
- > Local/DX Selector
- > CB/PA Selection
- > Dual Watch
- > ANL
- > MIC Gain Control
- > RF Gain Control
- > Dimension (WxHxL) :156x51x176 mm

TCB-881

combining TCB-771 technology with extended professional features, provides the experiences of operations that you have never tasted before. The subtle adjustment of RF Gain and microphone gain supplies utmostly satisfactory feeling of receiving and transmitting voices. One touch memory channel keys offer conveniences to access your channels.

Dynamic-Squelch System! Professional & Dual Voltage!

DSS and 12/24 free voltage connection add to the variety of professional features that only the professionals want to enjoy.



TCB-900

Front speaker CB radios are prevailing these days. Succeeding TTI's TCB-R2000 and TCB-1100, this new model also proposes high power speaker that is clear, deep, and loud enough.

On the top of the usual convenient features, the optional Bluetooth compatible connection is available with any of the market purchased Bluetooth headsets.

Optional Bluetooth Compatible System Imbedded

with the optional Bluetooth compatible system imbedded, this short body CB radio offers all basically necessary features that most users prefer together with high power operation, 10W



FEATURES

- > Front Speaker
- > Short Body
- > 12/24 Volt Input
- > Multiple Bands
- > 4W Output Power
- > AM/FM Operation
- > Optional Bluetooth Compatible Operation
- > DSS (Dynamic Squelch System)
- > Three Color Backlighting (Blue/Red/Purple)
- > Emergency Channel(9/19)
- > Microphone Gain
- > Attenuation
- > Speaker Mute
- > Scan
- > Keypad Lock
- > Menu Mode
- > Dimension (WxHxL) : 170x51x94 mm

TCB-1100 has new design concept with Front speaker, Full DIN-Size, CTCSS, VOX, and many other amazing features. You can experience many operations that have never been tried by any CB radios before; Changeable backlighting color, tone selection, compander selection, frequency read-outs and etc.

**10W
& Front Speaker
with Tone Selection**

Why should we endure the mumbled audio sound generated from the bottom sides of the conventional CB transceivers? The front installed speaker delivers you better and clearer audio sound. You could take your partners to where there is no traffic by a tone selection, which is amazing.

FEATURES

- > 4W or 10W Version
- > Multiple Bands
- > 12V/24V
- > AM/FM Operation
- > Menu Mode (Beep Tone On/Off, TOT, Backlight Dimmer)
- > Emergency Channel (9/19)
- > Frequency Read-outs
- > Memory
- > Last Channel Recall
- > Scan & Scan Memory
- > Remote Channel Up/Down
- > External Speaker Connection Jack
- > External S-Meter Connection Jack
- > Channel Up/Down
- > Quick Channel Up/Down
- > MIC Gain Control
- > RF Gain Control
- > DSS (Dynamic Squelch Control System)
- > Dual Watch
- > VOX
- > Tone Selection
- > Compander Circuit Selection
- > Backlight Selection
- > Selection of In-dash Mounting or Bracket Mounting
- > Dimension (WxHxL) : 189x57x165 mm



TX-410

is the ideal VHF Low-Band Mobile Radio for reliable communications in the vehicles by combining the key requirements of high-end users : reliability, durability, functionality and performance. No other compact VHF Low-Band Mobile Radio can deliver so much versatility and functionality with its affordable budget.

Well sized and backlighted Read-outs enhances the vision and helps finding where you are.

20 Watts

This will be a real best buy for anybody who likes to be a practical investor. A good question will be emerged once this transceiver is tried, why more money should be paid.



FEATURES

- > 41-48MHz Band
- > PC Programmable
- > 12.5KHz / 25 KHz Step
- > Menu Mode
- > 256 Channel Capacity
- > CTCSS Tone Capability
- > 4 Memory Channels
- > 20 Watts Output Power
- > Scan/ Scan Memory
- > 4 Memory Channels
- > Keypad Lock
- > Squelch Control
- > Frequency Read-outs
- > Monitor
- > Dimension (WxHxL) : 156x51x176 mm

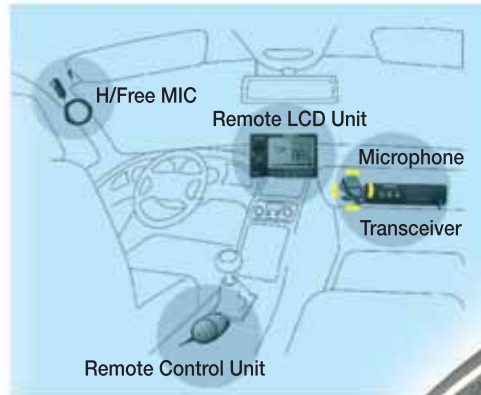
TCB-R2000

is the ultimate in mobile CB transceivers. Developed from the former TCB-1100 technology, this five way system has improved the materials and tuning for better audio reproduction.

The remote LCD unit, remote control unit and hands-free microphone are added for driver's convenience and safety.

A lot of information from the big LCD unit allows you to quickly and exactly admit the current situation surrounding you and your vehicle.

INSTALLATION



5 WAY SYSTEM

- Transceiver
- Microphone
- Remote LCD Unit
- Remote Control Unit
- Hands-free Microphone

PATENT PENDING

FEATURES

- > 12/24 Volt Input
- > Multiple Bands
- > High Output Power (FM 4W or 10W)
- > AM/FM Operation
- > Graphic Channel Display
- > Graphic Volume Display
- > ID Writing
- > Menu Mode (Beep Tone On/Off, TOT, Backlight Dimmer)
- > Emergency Channel (9/19)
- > Programmable Function Key
- > Easy Band Selection
- > Scan & Scan Memory
- > DIN Adaptation Kit
- > PC Programmable
- > Frequency Read-outs
- > Compaander
- > CTCSS Tone
- > Attenuation
- > Extra PTT Capability (ex : Foot PTT)
- > VOX
- > Extra Programmable Channels
- > Speaker Mute
- > Keypad Lock
- > Remote Channel Up/Down
- > External Speaker Connection Jack
- > External S-Meter Connection Jack
- > AMG (Auto Microphone Gain)
- > Squelch Control&DSS (Dynamic Squelch Control System)
- > Backlight Selection(3Colors)
- > Dimension (WxHxL) : 189x57x165 mm



CB FEATURE TABLE

No.	MODEL LIST UP	TCB-440	TCB-550N	TCB-560	TCB-771	TCB-881	TCB-900	TCB-1100	TCB-410	TCB-R2000	REMARK
1	Multi Band	×	×	×	×	×	×	×	256 Chs.	×	
2	Output Power	4 W	4 W	8 W / 4 W	4 W	4 W	10 W / 4 W	10 W / 4 W	20 W	10 W / 4 W	FM
3	LCD Display	×	×	×	×	×	×	×	×	Separate	
4	MIC Jack	×	×	×	×	×	×	×	×	×	
5	Microphone	×	×	×	×	×	×	×	×	×	
6	Squelch Control	DSS & Manual	Auto & Manual	DSS & Manual	DSS & Manual	DSS & Manual	DSS & Manual	DSS & Manual	Manual	DSS & Manual	
7	On/Off, Volume Control	×	×	×	×	×	×	×	×	×	
8	Channel 9/19	×	×	×	×	×	×	×	-	×	
9	AM/FM	×	×	×	×	×	×	×	-	×	
10	Scan	×	×	×	×	×	×	×	×	×	
11	Band Selection	×	×	×	×	×	×	×	-	×	
12	Antenna Jack	×	×	×	×	×	×	×	×	×	
13	Ext. Audio Jack	×	×	×	×	×	×	×	×	×	
14	Back Lighting	×	×	Color Selection	×	×	Color Selection	Color Selection	×	Color Selection	
15	12V/24V	12 V	12 V / 24 V	12 V / 24 V	12V/24 V	12 V / 24 V	12 V / 24 V	12 V	12 V	12 V / 24 V	
16	Speaker Location	Down	Down	Down	Down	Down	Front	Front	Down	Front	
17	Menu Mode	×	×	×	×	×	×	×	×	×	Scan Delay Time/ Back Light/ Dimmer & Others
18	Microphone Keys	-	-	-	Up/Down/Lock	Up/Down/Lock	×	Up/Down/Lock	-	Up/Down/Lock	
19	RF Gain Control	-	-	-	-	-	Attenuation	-	-	Attenuation	
20	Mic Gain Control	-	-	-	-	-	×	-	-	Auto & Manual	
21	Quick Up/Down	-	-	-	Rubber Button	Rotary Switch	-	Rotary Switch	-	Rotary Switch	
22	LCR	-	-	-	×	×	-	×	-	-	
23	S-Meter Jack	-	-	-	×	×	-	×	-	×	
24	Channel Memory	-	-	-	-	×	-	×	×	-	
25	Dual Watch	-	-	-	-	×	-	×	×	×	
26	PA Jack	-	-	-	-	×	-	×	-	-	
27	CB/PA Selector	-	-	-	-	×	-	-	-	-	
28	ANL/OFF Selector	-	-	-	-	×	-	-	-	-	
29	Local/DX Selector	-	-	-	-	×	-	-	-	-	
30	Tone Channel	-	-	-	-	-	-	×	×	×	
31	VOX	-	-	-	-	-	-	×	-	×	38 CTCSS
32	Frequency Readsouts	-	-	-	-	-	-	-	×	×	
33	Channel Spacing	-	-	-	-	-	-	-	×	-	12.5 / 25 KHz
34	PC Programmable	-	-	-	-	-	-	-	×	Extra Channels	
35	Remote Control Unit	-	-	-	-	-	-	-	-	×	
36	VOX Microphone	-	-	-	-	-	-	-	-	×	
37	Remote LCD Unit	-	-	-	-	-	-	-	-	×	
38	Bluetooth Compatible	-	-	-	-	-	×	-	-	-	
39	NB (Noise Blanker)	×	-	×	-	-	×	-	-	-	

TTI MAKES DIFFERENCE BRINGS WORLD TOGETHER



TCB-900





Accessories for CB Transceivers

Handsfree System / Din-Plates

Handsfree System

The Handsfree system for CB Radio and Land Mobile Radio offers the reliability of performance with refine cosmetic design. The microprocessor controlled functions are quite punctual and well operative. It goes well with any CB brands.

A Good match with Any CB!

Along with its compact design controlled by the most updated micro-processor technology, THF-100&THF-100P enable you to enjoy easy and comfortable operation. Drive fun with TTI Handsfree !

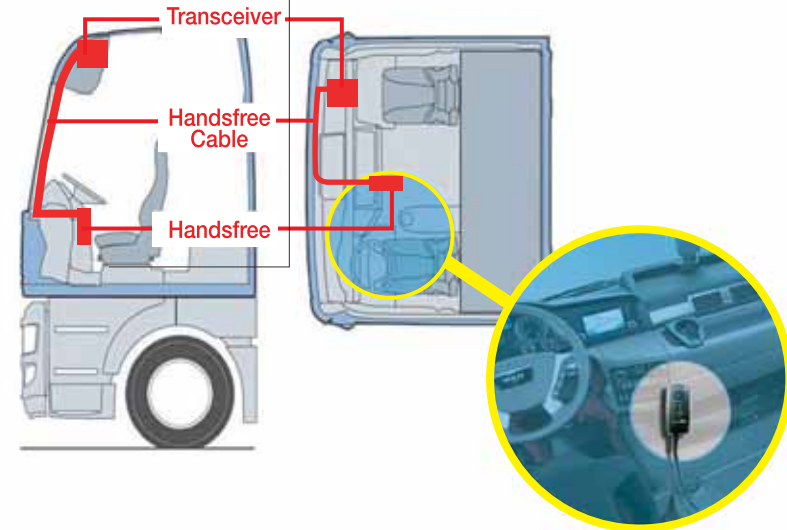


THF-100/100P

FEATURES

- > Electrically Controlled
- > Handsfree On/Off
- > Time Out Timer -1,2,3 Minutes
- > TX&RX LED
- > Sensitive Microphone
- > Long Enough Connection Wire
- > Dimension (WxHxD) : 40x110x19.5mm

INSTALLATION



DIN-PLATES

TTI supplies rigidly designed and durable DIN-PLATE for TTI transceivers and also for other bands.



	DIMENSION	DIMENSION	CB MODEL
TDP-1000			For TCB-550/560
TDP-2000			For TCB-771
TDP-3000			For TCB-881
TDP-4000			For TCB-1100/ R2000
TDP-5000			For TCB-900
TDP-6000			For TCB-440

tti





HANDHELD RADIOS

Consumer Radios & Professional Transceivers

PMR-121TX/ PMR-506TX/ PMR-507BT/ TXL-447/ TX-130U/ TX-130V/
TX-1000U/ TX-2000U/ TX-2000V/ TD-2000MU/ WP1 OCTO/ MICRO OCTO

TTI PMR 446 Radio Series always offer differences in design, quality and performance. This is already market proven by years of customer interface and feedback.

PMR-121TX

Compact But Versatile

PMR-121TX with its compact elegant design but full features like CTCSS,VOX,SCAN, and many others, is truly affordable PMR-446 radio in the world. In addition, it has excellent quality touch to satisfy the consumer radio users for many years.

Menu driven feature selection makes PMR-121TX very user friendly and allows the users to quickly set up their choices of functions.



TTI PMR 446 Radio Series

FEATURES

- > 8 Channels
- > 38 CTCSS
- > VOX Mode
- > Scan
- > Battery Status Indicator
- > Call Ringer (3Kinds)
- > Roger Beep Tone On/Off
- > Button Beep (Keytone) On/Off
- > Keypad Lock
- > LCD Back Lighting
- > Fixed Antenna
- > External Speaker, MIC, Chg.Jack
- > Desk Top Charger : Dual

Accessories

- > Power Adaptor
- > TCGA-1001HSM
- > Earset
- > AES-4211S/P
- > Battery (AAA x 3)
- > TBP-1006
- > Dual Charger Cradle
- > TCG-1008



TTI PMR 446 Radio Series

FEATURES

- > 500mW
- > 8 Channels
- > 38 CTCSS
- > Intercom
- > VOX on/off
- > Beep Tone
- > Flash Light
- > Call
- > Scan
- > Monitor
- > Room Monitor
- > Smart Charger

Accessories

- > Power Adaptor
- > Earset
- > Intercom Connector
- > Carrying Case
- > TCGA-1007SMD
- > AES-4212TTRS
- > AIC-1000
- > ACE-5022LC



**INTERCOM
for
Bikes**



PMR-506TX

SLIM But Full-Featured Design

PMR-506TX with its aluminium metal cabinet and rugged plastic frame has excellent pocket-sized, but full featured design in this slim and sleek shape.

A great range of radio features are supplemented with an internal Li-ion battery, being able to deliver more than 8hours' operation in normal condition. Also, it comes with an intelligent charger.



PMR-507BT

is a slim line product succeeding the previous PMR506TX. A lot of efforts being given, this radio comes to be rebuilt with clearer audio and better sensitivity supporting your Bluetooth compatible wireless use in any circumstances. The battery runs enough for one day use.

Accessories

- > Car Adaptor
- > ACG-3311D



- > Earset
- > AES-4212TTRS



- > Intercom Connector
- > AIC-1000



- > Charging Cradle
- > TCG-1009



- > Battery Pack
- > TBP-1004T



- > Power Adaptor
- > TCGA-1007SMD



- > Bluetooth Compatible Headset
- > ABT-1000



- > Carrying Case
- > ACE-5022LC



- Slim & compact
- Aluminium Body
- Bluetooth Compatible
- Wireless Communication
- Flash Light

FEATURES

- > Bluetooth Compatible Operation
- > 500mW
- > 8 Channels
- > 38 CTCSS
- > Scrambler
- > Comander
- > VOX Mode
- > Beep Tone
- > Roger Beep
- > Scan
- > Call(Page)
- > Intercom
- > Flash Light
- > Li-Ion Battery
- > Smart Charger
- > Dimension(W×H×D):
55 x 90 x 13.5 mm

TXL-447 has been upgraded from the previous TXL446. Now the complaint on the heavy weight is no more an issue as the new slim Li-Ion battery is installed for the heavy Ni-MH battery. More conveniently the Alkaline battery space is still available for emergency use. The internal circuitry has also changed to accept the recent technology to reduce troubles during production and during use.

Accessories

> Car Adaptor
> ACG-3313L



> Earset
> AES-4212TTRS



> Speaker-microphone
> AMC-3010R



> Charging Cradle
> TCG-1007SQA



> Battery Pack
> TBP-1008L



> Power Adaptor
> TCGA-1007SM



> Carrying Case
> ACE-5021



- Changeable Battery Type:
Li-Ion and Alkaline
- Flexible Rubber Antenna
- Better Sensitivity
- Smart Charging System

FEATURES

- > 500mW
- > 8 Channels
- > 73 CTCSS + 208DCS
- > Scrambler
- > Componder
- > VOX Mode
- > Beep Tone
- > Roger Beep
- > Scan
- > Call(Page)
- > Li-Ion Battery
- > Alkaline Battery for Emergency Use
- > Smart Charger
- > Dimension(WxHxD):
56 x 109 x 30 mm

TX-130U/TX-130V

is a slim line product succeeding the previous TX1446P. Market requirement for handfull slim size has made this radio born and vitalized. In Eurpoe this is registered for license-free PMR446 band and in Asia this is used for LMD system covering 400-470MHz.(136-174MHz for VHF)

Accessories

- > Car Adaptor
- > ACG-3120D



- > Earset
- > AES-4212TTRS



- > Speaker-microphone
- > AMC-3010R



- > Program Cable
- > TPC-5000U



- > Charging Cradle
- > TCG-1030



- > Battery Pack
- > TBP-1207L



- > Power Adaptor
- > TCGA-1007DC



- > Cloning Cable
- > TCC-1000



- > Carrying Case
- > ACG-5031



- Wireless Cloning
- Private Tone Generation System
- 5 Tone System
- Scrambler
- Comander
- IP 55 Water-proof

FEATURES

- > PC Programmable
- > 500mW(EU) or 5W(Other Countries)
- > 256 Channels
- > 73 CTCSS and 208 DCS
- Private Tone Generation System
- > ID Writing
- > Wireless Cloning
- > VOX Mode
- > Simplified 5 Tone System
- > Scrambler System
- > Comander System
- > Scan
- > Call
- > Battery Balance status
- > Li-Ion Battery
- > IP55 Dust & Water-proof Level
- > Dimension(WxHxD):
32.5 x 100.5 x 32.5 mm



TX-1000U is a simplified version of TX-2000U and could be used for the environment that requires tough conditions like rainy day, water places, construction area or similar places, but where people do not need 5 tone (or 2 tone) that asks cost increase.

IP55 or IP67 Dust & Water-Proof Level

IP55 structure protects your radio from most of tough environment like heavy rain and construction area.

Bluetooth Compatible Operation(Optional)

Perfectly compatible with any of standard market purchasable bluetooth headsets, this radio offers the up-to-dated hands free solution.

Scrambler

The imbedded scrambler keeps your privacy from any other party.

Compander

The compander supports you with comfortable listening to the other party's. This is useful especially when a headset is exploited.

High Power Unit

The max. 6 watt power extends your communication range over your expectation only in some countries.

Long Battery Life

High capacity battery guarantees your the high power operation for a satisfactory time span.

DTMF Tone

This preemled DTMF tone prevents you from failing in catching the first word from your partners.

IP55 or IP67 Dust & Water-Proof



FEATURES

- > 433/446MHz Band (420-450MHz Expandable)
- > PC Programmable
- > 256 Channels
- > 73CTCSS & 208DCS
- > 500mW/6W Output Power(UHF Radio)
- > 12.5 KHz / 25KHz Step
- > Compander
- > Scrambler
- > Optional Bluetooth Compatible Operation
- > Dual Pocket Quick Charger
- > Clone Function
- > VOX
- > IP55/ IP67 Water Proof
- > Heavy Duty Battery Pack(2200mAh)
- > ID Writing
- > Dimension(W×H×D) 57×116×39 mm

Accessories

- > Car Adaptor
> ACE-3120D
- > Speaker Microphone
> AMC-3010R
- > Charging Cradle
> TCG-1010FD
- > Power Adaptor
> TCGA-1007DC
- > Bluetooth Compatible Headset
> ABT-1000
- > Earset
> AES-4212TTRS
- > Program Cable
> TPC-P5000U
- > Battery Pack
> TBP-2207L
- > Cloning Cable
> TCC-1000
- > Carrying Case
> ACE-5026

IP67 Submersible Unit

TX-2000U is IP67 level certified water-proof and submersible radio in connection with the TTI's proven rugged mechanical technology to follow the military standard.



Bluetooth Compatible Operation(Optional)

Perfectly compatible with any of standard market purchasible bluetooth headsets, this radio offers the up-to-dated hands free solution.

Five(5) Tone and Two(2) Tone System

5 tone and 2 tone modes offer selective calling and many convenient operations. The 5 tone also make it possible to remotely control the stun and kill function or revive the stunned radio.

Scrambler

The imbedded scrambler protects your conversation from any other party.

Compander

The compander supports you with comfortable listening to the other party's. This is useful especially when a headset is exploited.

Dual Pocket Charging System

Two battery packs are charged in one desk top charger with two pockets arranged.

Your convenience is maximized upon abnormally high battery consumption being required.



TX-2000U

FEATURES

- > UHF(400-470MHz)
- > PC Programmable
- > 512 Channels
- > 52CTCSS & 208DCS
- > 5W Output Power(UHF)Radio
- > 5 tone and 2 tone
- > 12.5KHz / 25KHz Step
- > Alpha-numeric Channel Display
- > Break-in function
- > Compander
- > Scrambler
- > Optional Bluetooth Compatible Operation
- > Dual Pocket Quick Charger
- > Clone Function
- > Quiet Talk Function
- > IP 67 Water Proof Level
- > Heavy Duty Battery Pack (2200mAh)
- > Dimension(W×H×D): 57×116×39 mm

Accessories

- | | | | |
|--|--|---------------------------------|--|
| > Car Adaptor
> ACE-3120D | | > Earset
> AES-P100 | |
| > Speaker Microphone
> AMC-P100 | | > Program Cable
> TPC-P5000U | |
| > Charging Cradle
> TCG-1020FD | | > Battery Pack
> TBP-2207L | |
| > Power Adaptor
> TCGA-1007DC | | > Cloning Cable
> TCC-P1000 | |
| > Bluetooth Compatible Headset
> ABT-1000 | | > Carrying Case
> ACE-5026 | |

TX-2000V shares the cosmetic design with TX2000U but the electrical circuit is wholly re-structured adopting the new customized standard chip technology. This new technology contributes to cost efficiency as well as product reliability. On the other hand there is no sacrifice to the performance and specification including the IP67 level.

IP67 Submersible

- IP67 Submersible Water-proof Level
- Wireless Cloning
- Private Tone Generation System
- 2/5 Tone System
- Optional Bluetooth Compatible Operation



FEATURES

- > VHF(136-174MHz)
- > PC Programmable
- > 5W Output Power
- > 512 Channels
- > 73 CTCSS and 208 DCS
- > Private Tone Generation System
- > 12KHz/25KHz Step
- > Wireless Cloning
- > Alpha-numeric Channel Display
- > Simplified 5 Tone System
- > Scrambler System
- > Componder System
- > Dual Pocket Quick Charger
- > IP67 Water & Dust Proof Level
- > Heavy Duty Battery Pack(2200mAh or more)
- > Optional Bluetooth Compatible Headset
- > Dimension(WxHxD)
57 x 116 x 39 mm

Accessories

- > Car Adaptor
- > ACE-3120D



- > Earset
- > AES-P100



- > Speaker Microphone
- > AMC-P100



- > Program Cable
- > TPC-P5000U



- > Charging Cradle
- > TCG-1020FD



- > Battery Pack
- > TBP-2207L



- > Power Adaptor
- > TCGA-1007DC



- > Cloning Cable
- > TCC-P1000



- > Bluetooth Compatible Headset
- > ABT-1000



- > Carrying Case
- > ACE-5026



TD-2000MU

is the first Digital radio model of TTI's. This radio works as a dual band unit so is not only fully compatible with DMR radios in the market but also works for analog UHF units. The digital feature is an profitable addition to your conventional analog radios. It is your optional choice to have IP67 submersible water-proof version rather than the normal IP55 version.

Accessories

- > Car Adaptor
- > ACE-3120D



- > Speaker Microphone
- > AMC-P100



- > Charging Cradle
- > TCG-1020FD



- > Power Adaptor
- > TCGA-1007DC



- > Carrying Case
- > ACE-5026



- > Earset
- > AES-P100



- > Program Cable
- > TPC-P5000U



- > Battery Pack
- > TBP-2207L



- > Cloning Cable
- > TCC-P1000



- DMR Compatible
- Analog Band Available
- Better Audio and Range with Digital Mode
- Scrambler
- IP 55 Water-proof or IP67
- Compander
- Submersible

FEATURES

- > DMR Compatible
- > Dual Band Use including Analog Band
- > PC Programmable
- > 500mW(EU) or 5W(Other Countries)
- > 16 Channels
- > VOX
- > 50 CTCSS and 166 DCS
- > Dual Pocket Quick Charger
- > SCAN
- > IP67 Water & Dust Proof Level
- Heavy Duty Battery Pack (2200mAh or more)
- > Dimension(WxHxL): 58 x 130 x 39.5 mm



TTI LPD Radio Series LPD is another field of TTI's interest. Even these are similar to PMR-446 radios, LPD radios need efficient power control technology to manage the output power better. TTI's experience proven technology leads TTI LPD radios to the top class in this category.

WP1 Octo/ Micro Octo

Tourist Radio

This is what tourists need, what guides need.
 Tourist never miss their team and group.
 Guides never worry about careless followers who might go astray.
 No more shout !

WP1 Octo/ Micro Octo

- > Long Battery Life
(More than 30hours)
- > Optional Multi Charger System
- > Group Indication Channel
- > High Visibility Display
- > Multiple ISM Bands

FEATURES



WP1 OCTO



Micro OCTO



Accessories

- > Microphone
> AMC-3012(M), AMC-3012S(M)
- > Earphone
> AES-4213/ AES-4211E
- > Carrying Case
> ACE-5023/5024
- > Battery (AAx3/ AAx2)
> TBP-1007H/ TBP-1007H-2
- > Power Adaptor
> TCGA-1001SM4
- > Suitcase Charger
> TSC-WP1 / Trio/ Octo/ Micro Octo





Scanning Receivers

TSC-100RA

TTI NEW RECEIVER TTI's receivers are capable enough to surprise experts as well as ordinary users, equipped with easy accessible keypad layouts, powerful memory and recall system.

TSC-100RA

Air Band, VHF Band, Low Band and WFM Broadcast Band

Focused on Air Band, VHF Band, Low Band (66~88MHz) and WFM Broadcast Band, this narrow band receiver prides itself of exceptionally high sensitivity combined with harmonious audio sound. Simplified function adds to its convenience of use. Clear vision of buttons and large LCD helps the operation. Inter-changeable use of rechargeable batteries and dry cells enhances the mobility.

FEATURES

- > 66-88MHz, 88-108MHz, 103-136MHz, and 136-174MHz
- > Bluetooth Operation (Optional)
- > 10 Memory Banks
- > 200 Channel Memories
- > Various Frequency Steps
- > Desktop Charger (Optional)
- > Replaceable Antenna
- > High Quality Loud Speaker



Accessories

- > Antenna
- > TAN-1042



- > Earphone
- > AES-3220



- > Battery (AAA x 3)
- > TBP-1007



- > Wall Charger
- > TCGA-1007SMD





Marine VHF FM Transceivers

TX-150H

TTI MARINE RADIO This model is most simplified but highlights indispensable features that offer user convenient environment. The performance is also maximized.

TX-150H

Extra Channels for Each Country

TX-150H emphasizes on the extra big sized super-bright LCD. Combined with translucent back lighting buttons arrayed in the center, the radio prides itself of its splendid appearance in combination of green, white and black colors.

Super flexibility of the antenna adds to the convenience as well as the safety enhancement. Despite water-proof nature and ruggedness, this radio never loses in design and compactness combining TTI's up-to-date technology and high capacity Li-ion battery.

FEATURES

- > Waterproof (IP54)
- > Power High / Low (6W/1W)
- > Super-Bright White Backlight LCD
- > Auto Squelch
- > Scan Function
- > Direct Access to CH16
- > Dual Watch
- > Triple Watch
- > Priority Channel Scan
- > Key Lock
- > USA/INT'L/CANADA CH
- > WX Alert (USA/CANADA)
- > Loud Speaker
- > External Standard Two Pin Jack
- > Super Flexible and Replaceable Antenna
- > Li-ion Battery Pack



**Waterproof
(IP54)**



Accessories

- > Power Adaptor
- > TCGA-1007SM



- > Earset
- > AE4212TTRS



- > Speaker Microphone
- > AMC-3010RS



- > Charging Cradle
- > TCG-1006SQ



- > Battery Pack
- > TBP-1007L



HANDHELD RADIO FEATURE TABLE

No.	MODEL LIST UP	PMR-121TX	PMR-506TX	PMR-507BT	TXL-447PM	TX-130U/ TX-130V	TX-1000U	TX-2000U & 2000V	TD-2000MU	WP1-Octo/ Micro Octo	TX-150H
1	Frequency	446MHz	446MHz	446MHz	433/446MHz	433/446/136-174MHz	433/446MHz/More	400-470/136-174Mhz	400-470Mhz	472MHz/More	VHF Marine
2	Channel	8	8	8	69/8	256	256	512	16	80 & more/ 80 + 25	44
3	Output Power	500mW	500mW	500mW	500mW	5W/500mW	500mW/6W	5W	5W/500mW	10mW/10mW	5W
4	Battery	AAA×3	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	AA×3/AA×2	Li-ion
5	Dimension (HxWxD)	84×49×28.3 (mm)	88×54×14.8 (mm)	88×54×14.8 (mm)	109×56×30 (mm)	32.5×100.5×32.5 (mm)	58×120×39 (mm)	58×120×39 (mm)	58×130×39.5 (mm)	81×49.8×33(mm)	112×62.5×30(mm)
6	Battery Life	Ni-MH/Alk	9	-	-	20	-	-	-	30/20	-
7	(Hours,5:5:90)	Li-ion	-	8	8	13	8/10	20/13	15	15	-
8	CTCSS	38	38	38	38	73	73	52 & Private	52 & Private	-	-
9	DCS	-	-	-	104	208	208	208 & Private	208 & Private	-	-
10	Roger Beep (on/off available)	×	×	×	×	×	PC Programmable	PC Programmable	PC Programmable	-	×
11	Antenna	Fixed	Fixed	Fixed	Replaceable/Fixed	Replaceable/Fixed	Replaceable/Fixed	Replaceable	Replaceable/Fixed	Fixed	Replaceable
12	Power High/Low	-	-	-	×	×	×	×	PC Programmable	-	×
13	Scan	×	×	×	×	×	PC Programmable	PC Programmable	PC Programmable	-	×
14	Dual Watch	-	×	×	×	×	PC Programmable	PC Programmable	PC Programmable	-	×
15	Triple Watch	-	-	-	-	-	-	-	-	-	×
16	Monitor Key	-	-	-	×	×	PC Programmable	PC Programmable	PC Programmable	-	×
17	LCD Back Lighting	×	×	×	×	×	×	×	-	×	×
18	Built-in Speaker	×	×	×	×	×	×	×	×	-	×
19	Power on/off	Eelectrical	Eelectrical	Eelectrical	Rotary Knob	Rotary Knob	Rotary Knob	Rotary Knob	Rotary Knob	Eelectrical	Rotary Knob
20	Volume Up/Down	×	×	×	Rotary Knob	Rotary Knob	Rotary Knob	Rotary Knob	Rotary Knob	×	Rotary Knob
21	Call Sound	3 kinds	3 kinds	3 kinds	5 kinds	5 kinds	5 kinds	PC Programmable	PC Programmable	-	-
22	VOX	1 Step	2 Step	2 Step	3 Step	5 Step	3 Step	PC Programmable	PC Programmable	-	-
23	Intercom	-	×	-	-	-	-	-	-	-	-
24	Squelch Adjustment	-	-	-	-	×	×	×	PC Programmable	-	×
25	Key Tone	×	On/Off	On/Off	On/Off	On/Off	×	PC Programmable	PC Programmable	-	On/Off
26	Key Lock	×	×	×	×	-	×	×	×	×	×
27	External Charging	Twin Charger	Smart Charger	Smart Charger	Smart Charger	Smart Charger	Quick Charger	Quick Charger	Quick Charger	Suit Case Charger	Smart Charger
28	Auto Power Save	×	×	×	×	×	×	×	×	×	×
29	SPK/MIC Jack	2.5 phi	2pin Standard	2pin Standard	2pin Standard	2pin Standard	2pin Standard	9 Pin Connector	9 Pin Connector	3.5phi/2.5phi	2pin Standard
30	Cloning	-	-	-	-	×	×	×	×	×	-
31	PC Programmable	-	-	-	-	×	×	×	×	×	-
32	Extra Channel Selection	-	-	-	-	×	×	-	-	×/-	×
33	2Tone/5Tone	-	-	-	-	5 Tone	-	2 & 5 Tone/5 Tone	-	-	-
34	Scrambler	-	×	×	×	×	×	×	×	-	-
35	IP Level	-	-	-	-	IP55	IP67	IP67	IP67	-	IP54
36	Bluetooth Compatible	-	-	×(Basic)	-	-	× (option)	× (option)	-	-	-
37	DTMF Tone	-	-	-	-	×	×	×	×	-	-
38	Compander	×	×	×	×	×	×	×	-	-	-
39	Wireless Cloning	-	-	-	-	×	-	VHF Ver. Only	-	-	-
40	Others	-	-	-	-	-	-	-	Dual Band (Digital+Analog)	-	DMR Compatible

ACCESSORIES FOR HANDHELD RADIOS

	PMR-121TX	PMR-506TX	PMR-507BT	TXL-447PM	TX-130U / 130V	TX-1000U
Earset	 AES-4211 AES-4211SP	 AES-4212TTRS	 AES-4212TTRS	 AES-4212TTRS	 AES-4212TTRS	 AES-4212TTRS
Speaker Microphone	x	x	x	 AMC-3010R	 AMC-3021R	 AMC-3010R
Car Adaptor	 ACG-3311S	 ACG-3311D	 ACG-3311D	 ACG-3313D	 ACG-3120D	 ACG-3120D
Charger Cradle	 TCG-1008	 TCG-1009	 TCG-1009	 TCG-1007SQA TCG-1007DSQA	 TCG-1030	 TCG-1010FD
Power Adaptor	 TCGA-1001HSM	 TCGA-1007SMD	 TCGA-1007SMD	 TCBA-1007SM	 TCGA-1007DC	 TCGA-1007DC
Battery	 TBP-1006 (AAAx3)	 TBP-1004T	 TBP-1004T	 TBP-1008L	 TBP-1207L	 TBP-2207L
Antenna	-	-	-	 TAN-1090	 TAN-1100	 TAN-1100
Belt Clip	 TBC-1003 TBC-1003F	-	-	 TBC-1008	 TBC-1010	 TBC-1009
Carrying Case	 ACE-5017	 ACE-5022LC	 ACE-5022LC	 ACE-5021	 ACE-5031	 ACE-5026
Aqua Pack	 AQA-5000	 AQA-5000	 AQA-5000	 AQA-5000	 AQA-5000	 AQA-5018
Cloning Cable	-	-	-	-	 TCC-1000	 TCC-1000
PC Program Cable	-	-	-	 TPC-5000UA	 TPC-5000U	 TPC-5000U
BT Compatible Headset	-	-	 ABT-1000	-	-	 ABT-1000

ACCESSORIES FOR HANDHELD RADIOS

TX-2000U / 2000V		TD-2000MU		WP1 Octo & Micro Octo		TSC-100RA		TX-150H		
	AES-P100		AES-P100		AES-4213 AES-4211E		AES-3220		AES-4212TTRS	Earset
	AMC-P100		AMC-P100		AMC-3012(M) AMC-3012S(M)	-	-		AMC-3010R	Speaker Microphone
	ACG-3120D		ACG-3120D	-	-		ACG-3311D		ACG-3312L	Car Adaptor
	TCG-1020FD		TCG-1020FD		TSC-Octo / Micro Octo (Suitcase Charger)	-	-		TCG-1006SQ	Charger Cradle
	TCGA-1007DC		TCGA-1007DC		TCGA-1001SM4		TCGA-1007SMD		TCGA-1007SM	Power Adaptor
	TBP-2207L		TBP-2207L		TBP-1007H(AA×3) (TBP-1007H-2(AA×2))		TBP-1007H (AA×2)		TBP-1107L	Battery
	TAN-1200		TAN-1200	-	-		TAN-1042		TAN-1070	Antenna
	TBC-1009		TBC-1009		NA / TBC-1003F		TBC-1008		TBC-1006	Belt Clip
	ACE-5026		ACE-5026		ACE-5023 ACE-5024		ACE-5025		ACE-5018W	Carrying Case
	AQA-5018		AQA-5018	-	-		AQA-5000		AQA-5018	Aqua Pack
	TCC-P1000		TCC-P1000	-	-	-	-	-	-	Cloning Cable
	TPC-P5000U		TPC-P5000U		TPC-5000U4 TPC-5000U4S	-	-	-	-	PC Program Cable
	ABT-1000	-	-	-	-	-	-	-	-	BT Compatible Headset

TDM-100V/100U

Tranceiver TDM-100V/100U is designed for the purposes of telemetry, wireless control and data transfer, It is fully synthesized, microprocessor controlled and PC programmable unit.

To provide maximum flexibility, the TDM-100V/100U is a "transparent" device and requires an external modem. This means that any information, which is passed to it, is transmitted to the other end of the link without modification. We recommend that the User adds a modem with synchronization and error correction/detection. MPT1317 may be referred to.

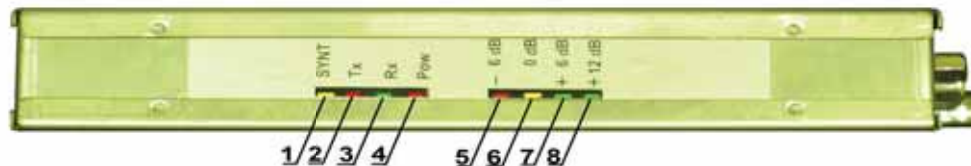
The TDM-100V/100U tranceiver is easy to use and only requires connection to the +12V (nominal) DC supply, the addition of a suitable aerial and fixing to some form of heatsink, if prolonged transmission is a requirement. If continuous transmission were involved, the heatsink would need to be better than $2^{\circ}\text{C}/\text{W}$ for full RF output. External data modem may be connected to the 9 pin D-type connector.

This is in the form of low voltage analogue signals. Detailed interface information is given below.

Modern electronic components and surface mount technology are using in process TDM-100V/100U production.

FEATURES

- > Up to 40MHz working bandwidth in UHF.
- > Powerful 5W of UHF output power.
- > Short transmit attack time-less then 20ms (15ms-typically)
- > Eight LEDs display of tranceiver conditions (see picture below).
- > Built-in S-meter and SWR-meter
- > PC programming under Windows OS through COM-port or USB.



- 1-SYNT - yellow flashing LED shows that PLL synthesizer in working condition.
Continues lighting yellow LED shows that PLL synthesizer doesn't work.
- 2-TX - red LED lights until transmitter turning ON.
- 3-RX - green LED lights then transceiver connected to power supply or in receive condition.
Doesn't lights then transmitter is ON.
- 4-Pow - red LED lights during transmitting and then RF output power no less than 1.5W.
- 5 - red LED - $0,5 \mu\text{V}$ (-6 dB).
- 6 - yellowLED - $1 \mu\text{V}$ (0dB).
- 7 - greenLED - $2 \mu\text{V}$ (+6dB).
- 8 - greenLED - $4 \mu\text{V}$ (+12dB).



TECHNICAL SPECIFICATIONS

General	
Frequency range	VHF : 146-174 MHz; UHF : 400-440, 430-470 MHz;
Operation	Simplex, semiduplex
Channels	1
Channel bandwidth	12,5 or 25 kHz
Modulation	F3E, F3D
Transmit attack time	< 20ms
Ambient temperature range	- 20°C ... +55°C
Current dray Rx	50 mA
Current dray Tx	1500 mA
Power supply requirements	9,8...13,8 V DC
Maximum transmit time (programmable)	10...100 sec
Dimensions	135x63,5x24 mm
Weight	270 g
Transmitter	
Output power	5 W
Maximum Deviation (depends from channel bandwidth)	2,5kHz or 5kHz
Spurious emission	<0,25 μ W
FM noise level	< -45 dB
Audio input signal	<250 mV RMS
Receiver	
Sensitivity	-117 dBm (12 дБ SINAD)
Selectivity	>70 dB
Intermodulation	>70 dB
Audio output signal	>250 mV RMS
Audio distortion	< 2% at 1kHz
Hum noise	< 50 dB

D-type connector specification

Pin number	Assignment
1	Tx audio input
2	
3	Tx enable
4	GND
5	+ 12V DC
6	
7	Programming input
8	Programming output
9	Rx audio output

MEMO.

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