BASIC MANUAL

A36plus MAX

VHF/UHF DUAL BAND TRANSCEIVERS

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that it does not cause harmful interference. This regulation applies to models A36 plus MAX.

Talkpod Technology Co., Ltd

Thank you for choosingthis TALKPOD product.
This product is designed and built with TALKPOD state of the art technology and craftsmanship.
With proper care, this product should provide you with years of Trouble-free operation

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.
SAVE THIS INSTRUCTION MANUAL — This instruction manual contains important operating instructions for the transceiver.

For Advanced features and instructions, see the ADVANCED MANUAL on the TALKPOD website for details.www.talkpodonline.com

FEATURES

- IP54* requirements for dust tight and waterproof protection.
- Large capacity battery pack.
- Powerful Audio.

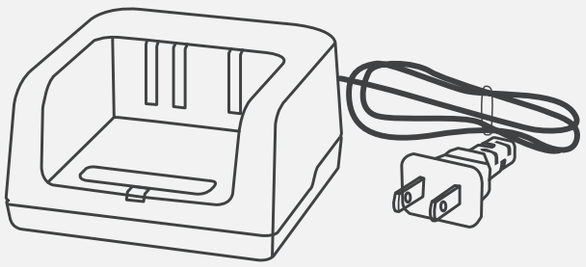
*Only when the battery pack, flexible antenna, and jack cover are attached.

EXPLICIT DEFNITIONS

WORD	DEFINITION
⚠ DANGER!	Personal death, serious injury or an explosion may occur.
⚠ WARNING!	Personal injury, Fire Hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No risk of personal injury, fre or electric shock.

SUPPLIED ACCESSORIES

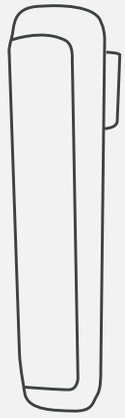
Battery charger



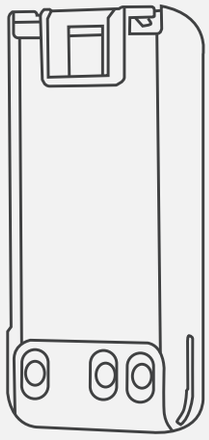
Lanyard

Antenna

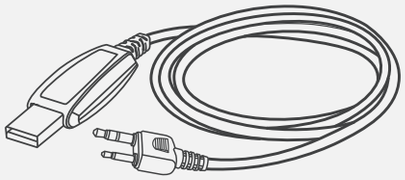
Belt Clip



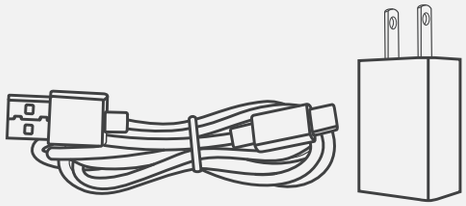
Battery Pack



K-Head Programming



USB-C Charging Cable



NOTE：Some accessories are not supplied, or the shape is different, depending on the transceiver version.

PRECAUTIONS

⚠ DANGER!NEVER operate the transceiver near unshielded electrical blasting caps or in an explosive atmosphere. This could cause an explosion and death.

⚠ DANGER! NEVER use or charge TALKPOD battery packs with non-TALKPOD transceivers or non-TALKPOD chargers. Only TALKPOD battery packs are tested and approved for use with TALKPOD transceivers or charged with TALKPOD chargers. Using third-party or counterfeit battery packs or chargers may cause smoke, IP54, or cause the battery to burst.

⚠ WARNING! NEVER perate the transceiver with earphones, a headset, or other audio accessories at high volume levels. If you experience a ringing in your ears, reduce the volume or discontinue use.

⚠ WARNING! NEVER hold the transceiver so that the antenna is very close to, or touching exposed parts of the body, especially the face or eyes, while transmitting.

⚠ WARNING! NEVER operate or touch the transceiver with wet hands. This could cause an electric shock or damage the transceiver.

⚠ WARNING! NEVER connect the transceiver to a power source of more than 16 V DC or use reverse polarity. This could cause a IP54 or damage the transceiver.

⚠ WARNINGRFEXPOSURE! This transceiver emits Radio Frequency (RF) energy. Extreme caution should be observed when operating this transceiver. If you have any questions regarding RF exposure and safety standards, please refer to the Federal Communications Commission Offce of Engineering and Technology's report on Evaluating Compliance with FCC Guidelines for Human Radio Frequency Electromagnetic Fields (OET Bulletin 65).

CAUTION: DO NOT short the terminals of the battery pack. Shorting may occur if the terminals touch metal objects such as a key, so be careful when placing the battery packs (or the transceiver) in bags, and so on. Carry them so that shorting cannot occur with metal objects. Shorting may damage not only the battery pack but also the transceiver.

CAUTION: DO NOT operate the transceiver unless the fexible antenna, battery pack, and jack cover are securely attached to the transceiver and that the antenna and battery pack are dry before attachment. Exposing the inside of the transceiver to dust or water will result in serious damage to the transceiver. After exposure to water, clean the battery contacts thoroughly with fresh water and dry them completely to remove any water or salt residue.

CAUTION: DO NOT operate the transceiver while driving a vehicle. Safe driving requires your full attention—anything less may result in an accident.

CAUTION: DO NOT use harsh solvents such as benzine or alcohol when cleaning. This could damage the equipment surfaces. If the surface becomes dusty or dirty, wipe it clean with a soft, dry cloth.

CAUTION: DO NOT place or leave the transceiver in direct sunlight or in areas with temperatures below –20˚C (–4˚F) or above +60˚C (+140˚F).

CAUTION: DO NOT operate the transceiver if it becomes hot after continuously transmitting for long periods of time. This may damage the transceiver.

NEVER place in an insecure place to avoid inadvertent use by unauthorized persons.

DO NOT push PTT unless you actually intend to transmit.

■ Precautions (Continued)

BE CAREFUL! The transceiver meets IP56* requirements for dust tight and waterproof protection. However, once the transceiver has been dropped, waterproof protection cannot be guaranteed because of possible damage to the transceiver's case or waterproof seal.

* Only when the battery pack, fexible antenna,and jack cover are attached.

Even when the transceiver power is OFF, a slight current still fows in the circuits. Remove the battery pack from the transceiver when not using it for a long time. Otherwise, the installed battery pack will become exhausted and will need to be recharged or replaced.

BATTERY CAUTIONS

■ Battery Caution

Misuse of Li–ion batteries may result in the following hazards: smoke, fre, or the battery may rupture. Misuse can also cause damage to the battery or degradation of battery's performance.

⚠ DANGER! NEVER incinerate used battery packs. Internal battery gas may cause an explosion.

⚠ DANGER! NEVER strike or otherwise impact the battery pack. Do not use the battery pack if it has been severely impacted or dropped, or if the pack has been subjected to heavy pressure. Battery pack damage may not be visible on the outside of the case. Even if the surface of the battery does not show cracks or any other damage, the cells inside the battery may rupture or catch fre.

⚠ DANGER! NEVER leave the battery pack in places with temperatures above 60˚C (140˚F). A High–temperature buildup in the battery cells, such as could occur near fres or stoves, inside a sun–heated vehicle, or in direct sunlight for long periods of time, may cause the battery cells to rupture or catch fre. Excessive temperatures may also degrade the pack's performance or shorten the battery cell's life.

⚠ DANGER! NEVER place battery packs near a fre. Fire or heat may cause them to rupture or explode. Dispose of used battery packs in accordance with local regulations.

⚠ DANGER! NEVER solder the battery terminals, or NEVER modify the battery pack. This may cause heat generation, and the battery may burst, emit smoke or catch fre.

⚠ DANGER! NEVER let fuid from inside the battery get in your eyes.This can cause blindness. Rinse your eyes with clean water, without rubbing them, and immediately go to a doctor.

⚠ WARNING! NEVER use deteriorated battery packs. They could cause a fre.

⚠ WARNING! NEVER let fuid from inside the battery cells come in contact with your body. If it does, immediately wash with clean water.

⚠ WARNING! NEVER put the battery pack in a microwave oven, high–pressure container, or in an induction heating cooker. This could cause a fre, overheating, or cause the battery cells to rupture.

CAUTION: DO NOT expose the battery pack to rain, snow, saltwater, or any other liquids. Do not charge or use a wet pack. If the pack gets wet, be sure to wipe it dry cloth before using.

CAUTION: DO NOT use the battery if it emits an abnormal odor, heats up, or is discolored or. deformed If any of these conditions occur, contact your TALKPOD dealer or distributor.

CAUTION: DO NOT use the battery pack out of the specifed temperature range –20˚C ~ +60˚C(–4˚F ~ +140˚F). Using the pack out of this range will reduce the pack's performance and battery cell life.

CAUTION: DO NOT leave the pack fully charged, completely discharged, or in an excessive temperature environment (above 50˚C, 122˚F) for an extended period of time. Otherwise, a shorter battery pack life could occur. If the battery pack must be left unused for a long time, it must be detached from the transceiver after discharging. You may use the pack until theremaining capacity is about half, then keep it safely in a cool, dry place in the following temperature range:
–20˚C (–4˚F) ~ +50˚C (+122˚F) (within a month).
–20˚C (–4˚F) ~ +40˚C (+104˚F) (within three months).
–20˚C (–4˚F) ~ +20˚C (+68˚F) (within a year).

BE SURE to replace the battery pack with a new one approximately five years after manufacturing, even if it still holds a charge. The material inside the battery cells will become weak after a period of time, even with little use. The estimated number of times you can charge the pack is between 300 and 500. Even when the pack appears to be fully charged, the operating time of the transceiver may become short when:

- Approximately five years have passed since the pack was manufactured.
- The pack has been repeatedly charged.The battery cells may deteriorate and swell due to their characteristics if used in an environment and conditions such as: frequently charged, recharged immediately after full charge, used or saved in a hot place, or charged by methods other than the instructions. If the battery pack swells, it has reached the end of its life due to deterioration. Replace it with a brand new one.

■ Charging Caution

DANGER! NEVER charge the transceiver during a lightning storm. It may result in an electric shock,

cause a fire, or damage the transceiver. Always disconnect the power adapter before a storm.

⚠ DANGER! NEVER charge the battery pack in areas with extremely high temperatures, such as near fires or stoves, inside a sun-heated vehicle, or in direct sunlight. In such environments, the safety/ protection circuit in the pack will activate and stop the charging.

⚠ WARNING! NEVER charge or leave the battery in the battery charger beyond the specified time for charging. If the pack is not completely charged by the specified time, stop charging and remove it from the battery charger. Continuing to charge the pack beyond the specified time limit may cause a fire, overheating, or the battery may rupture.

⚠ WARNING! Occasionally observe the battery pack condition while charging. If any abnormal condition occurs, discontinue using the battery pack.

CAUTION: DO NOT insert the transceiver with the battery pack attached into the charger if it is wet or soiled. This could corrode the battery charger terminals or damage the charger. The charger is not waterproof.

CAUTION: DO NOT charge the battery pack outside of the specified temperature range: 10°C ~ 40°C (50°F ~ 104°F). TALKPOD recommends charging the pack at 25°C (77°F). The pack may heat up or rupture if charged out of the specified temperature range. Additionally, battery performance or battery life may be reduced.

FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications tothis device, not expressly approvedby TALKPODInc., could voidyour authority tooperatethis deviceunder FCCregulations.

For Canada:
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device

RECOMMENDATION

CLEAN THE TRANSCEIVER THOROUGHLY IN A BOWL OF FRESH WATER after exposure to saltwater, and dry it before operating. Otherwise, the transceiver's keys, switches, and controllers may become unusable, due to salt crystallization, and/or the charging terminals of the battery pack may corrode

NOTE: If the transceiver's waterproof protection appears defective, carefully cleanit with a soft, damp (fresh water) cloth, then dry it before operating. The transceivermay lose its waterproof protection if the case or the jack cover is cracked or brokn,or the transceiver has been dropped. Contact your TALKPOD distributoror your dealer for advice

TRADEMARKS

TALKPOD, TALKPOD Inc. and the TALKPOD logo are registered trademarks of TALKPOD Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand, and/or other countries.

TALKPOD is not responsible for the destruction, damage to, or performance of any TALKPOD or non-TALKPOD equipment, if the malfunction is because of:

- Force majeure, including, but not limited to, fires, earthquakes, storms, floods, lightning, or other natural disasters, disturbances, riots, war, or radioactive contamination
- The use of TALKPOD transceivers with any equipment that is not manufactured or approved by TALKPOD.

TABLE OF CONTENTS

PANEL DESCRIPTION

1. AntennaInterface: SMA antenna interface, used for installing the provided antenna or other brand antennas compatible with the SMA interface.
2. Status Indicator Light: Illuminates red during transmission and green when a signal is received.
3. Speaker: Outputs sound.
4. Microphone: Inputs sound.
5. LCD Display: Displays the operational status of the walkie-talkie.
6. SOS Key: Press and hold to initiate an SOS emergency alert; a short press can be customized for other functions.
7. Numeric Keypad: Used for entering frequencies and functions.
8. Up/Down Selector: Adjusts the displayed frequency, menu numbers, or menu content upward or downward.
9. PTT (Push to Talk) Button: Press the PTT button to transmit; release it to return to receive mode
10. Side Keys 2 and 3: Functions of these side keys can be customized through the menu.
11. Earphone Jack: Used for connecting an external earphone; or to connect a programming cable for programming and software updates via PC.

CAUTION:DONOT use the transceiver without the jack cover or the optional equipment attached. The transceiver meets IP56 requirements for dust-tight and waterproof protection only when the jack cover or the specifed optional speaker microphone is attached.

DISPLAY DESCRIPTION

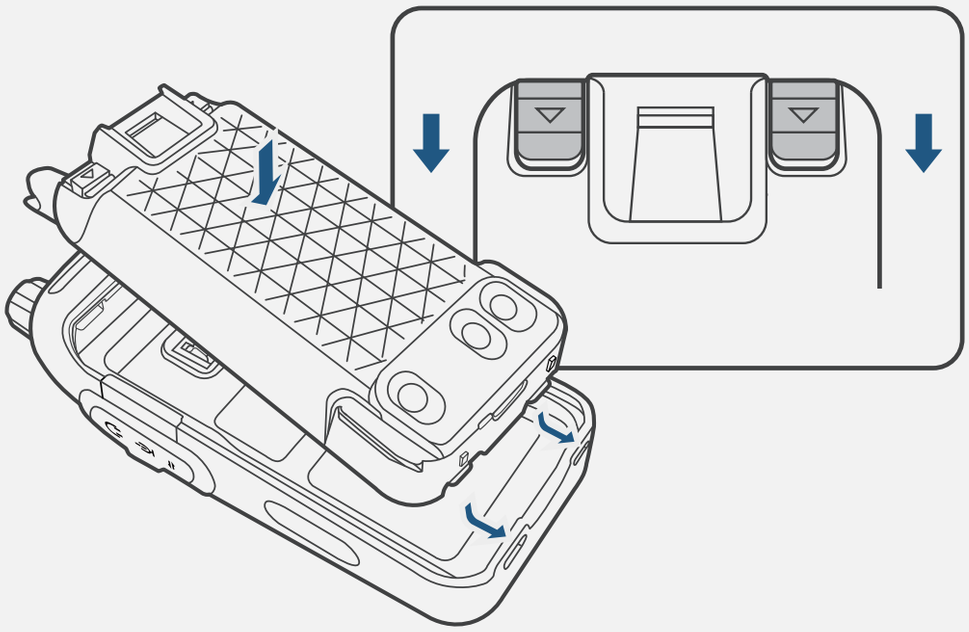
Icon	BATTERY STATUS
	The battery has sufficient capacity.
	The battery is exhausted a little.
	The battery is nearing exhaustion.
	The battery is almost fully exhausted. Immediately charge thebattery pack. *After a while, the icon blinks and the transceiver will beturned OFF.

Icon	Function	Description
	Battery	Displays the remaining battery power. When the battery is about to run out, the outer frame of the symbol flashes, and the transceiver prohibits transmission.
R	R	Receive and transmit frequencies are inverted in frequency mode/channel mode.
T	T	Off-network mode, the transmit and receive frequencies are adjusted to the same.
SC	SC	Special voice encryption status/frequency hopping function.
MAIN	MAIN	Main frequency or channel.
A B	A Segment B Segment Transmit	Indicates the respective frequency segment.
	Signal Strength Received	Current strength of the transmitted signal.
RSSI	Signal Strength	Current strength of the received signal.
VOL	Modulation Level	Current amplitude of the transmitted audio.

Icon	Function	Description
VFO	VFH	In frequency mode.
	Tone	Enables side tone, indicating that the transceiver emits a tone when transmitting DTMF signals.
DS	DS	Enables dual-band standby function, which can simultaneously monitor the two frequencies or channels displayed in standby mode.
	VOX	Enables voice-activated transmission function, which activates transmission when the microphone's sound pressure level reaches the set value.
	Scan	Scanning mode.
	Keyboard Lock	Keyboard is locked. Press and hold the FM key to unlock.
	Watch	Enables watch mode.
DCS	DCS	Indicates the current sub-audible tone is a digital sub-audible tone. When transmitting, this symbol appears, indicating the transmission of a digital sub-audible tone signal.
CT	CT	Indicates the current sub-audible tone is an analog sub-audible tone.When transmitting, this symbol appears, indicating the transmission of an analog sub-audible tone signal.
H	H	Current transmission power is high power.
L	L	Current transmission power is low power.
N	N	Indicates that the channel is operating in narrowband mode.
+	+	Indicates the transmission frequency is the receive frequency plus an offset frequency.
-	-	Indicates the transmission frequency is the receive frequency minus an offset frequency.
AM	AM	Indicates the current frequency is in AM modulation mode.
022	001-256	In channel mode.
	Selected	Menu selected item.

ATTACH/DETACH THE BATTERY

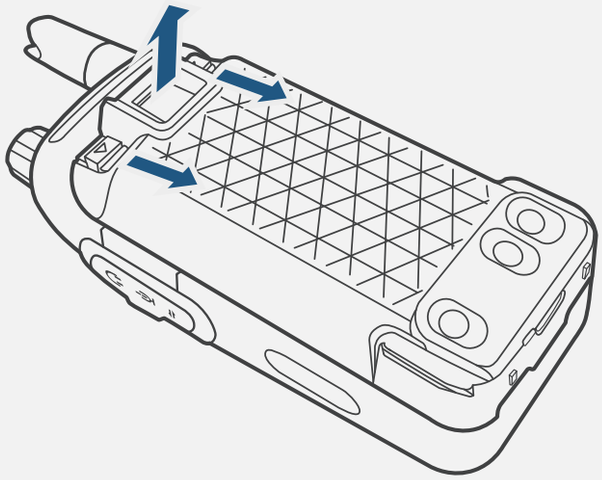
■ **Attach or detach the battery pack, as illustrated below.**



Battery Installation:

1. Align the battery with the two small notches at the bottom of the walkie–talkie casing.

2. Press the battery towards the metal plate. Simultaneously press down on the small sliders located on the left and right sides at the top (marked with arrow symbols) until you hear a" click,"indicating that the battery is securely installed. See illustration for guidance.



Battery Removal:

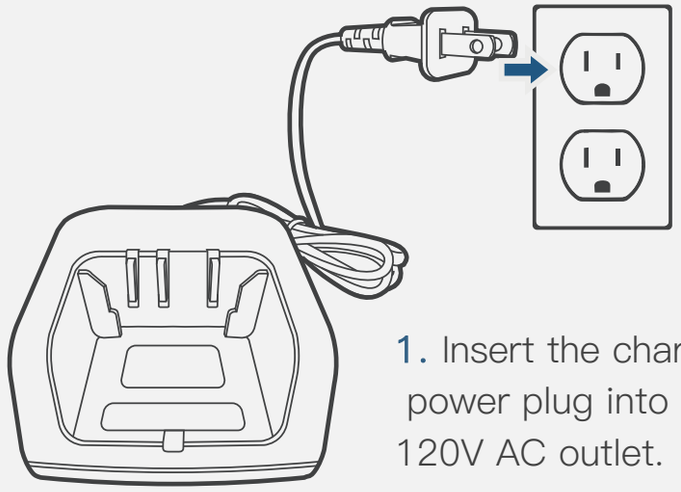
1. Locate the two small sliders on the top left and right sides of the battery, each marked with an arrow symbol.

2. Press both sliders downward simultaneously to release and remove the battery. Refer to the illustration for details.

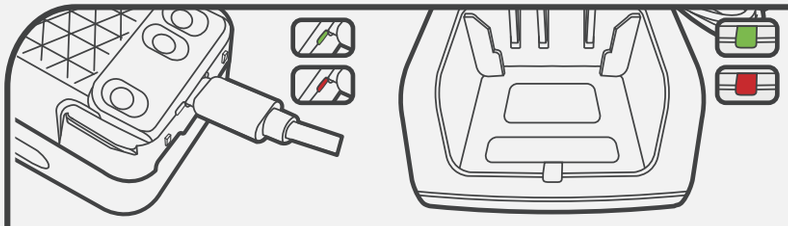
CHARGING TIME

■ Charging Instructions:

*Approximately 8 hours for the A36Plus



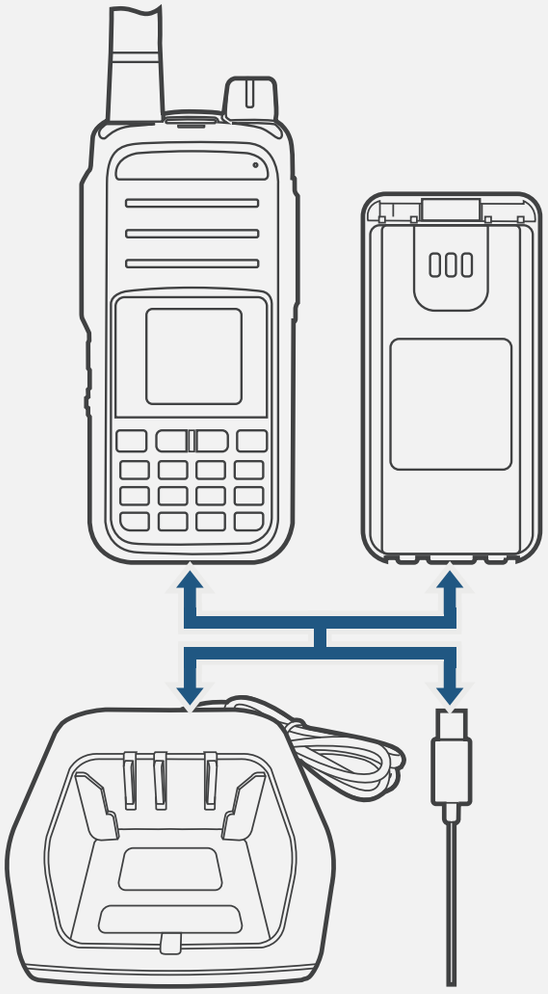
1. Insert the charger's power plug into a 120V AC outlet.



1. Ensure that the charging indicator light turns red, signaling that charging has begun.

2. Charging typically takes about 8 hours. When the indicator light turns green, it indicates that the battery is fully charged.

Prior to using the transceiver for the first time, the battery pack must be fully charged for optimum life and operation.

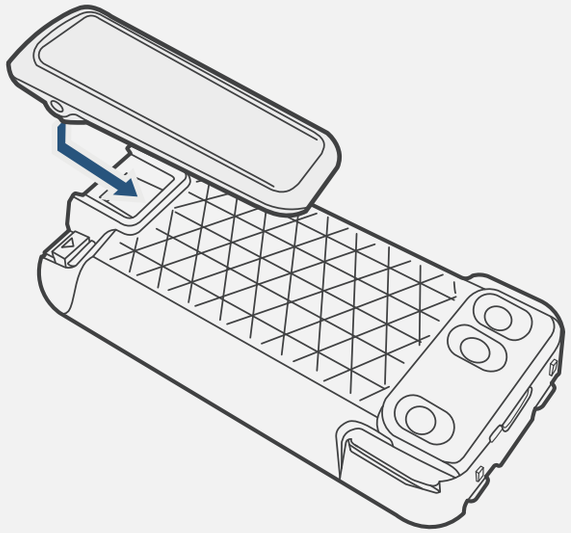


1. Place the battery or the walkie–talkie with the battery installed onto the charging base; alternatively, connect the USB charging cable to the battery's USB port.

NOTE: BE SURE to turn OFF the transceiver while charging with the supplied battery charger. Otherwise, the attached battery pack cannot be charged.

BELT CLIP

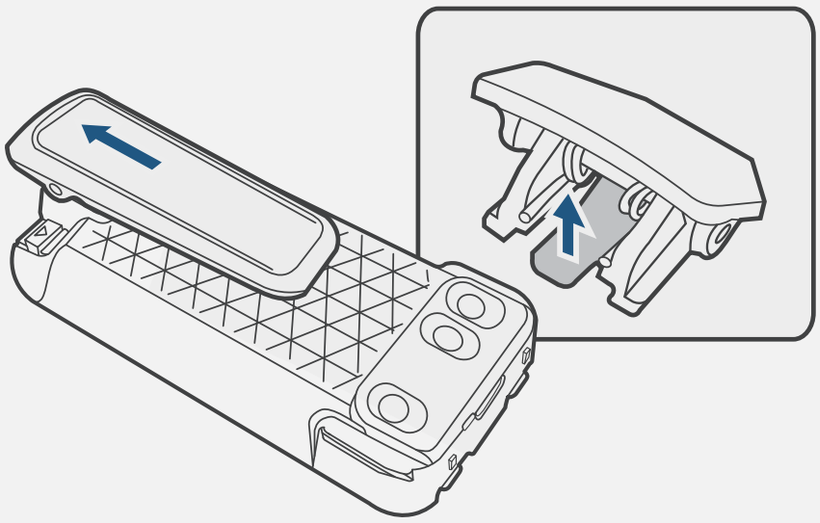
■ Attaching the Belt Clip:



1. Remove the battery. Slide the belt clip into the smooth slot on the back of the battery.

2. Press downward to secure the belt clip in place.

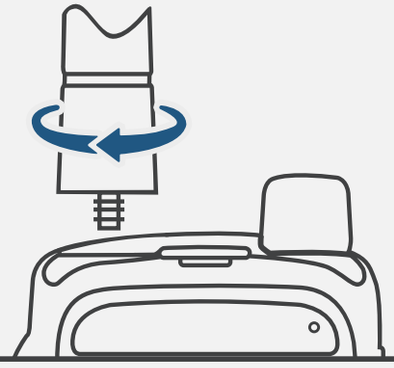
■ Detaching the Belt Clip:



1. Remove the battery. Press on the elastic plastic part in the middle of the belt clip towards the direction of the walkie–talkie.

2. While holding it, pull the belt clip upward to detach it.

ANTENNA



Attaching the Antenna

1. Hold the base of the antenna and screw it clockwise into the antenna socket on the top of the walkie–talkie until tight.

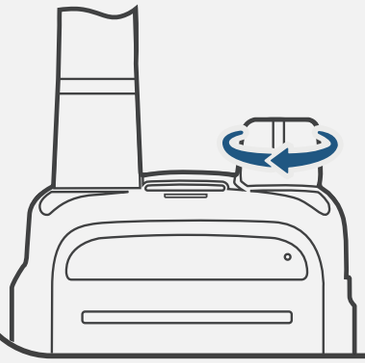
Detaching the Antenna:

2. To remove the antenna, unscrew it counterclockwise.

POWER SWITCH / VOLUME CONTROL

■ Power Switch Operation:

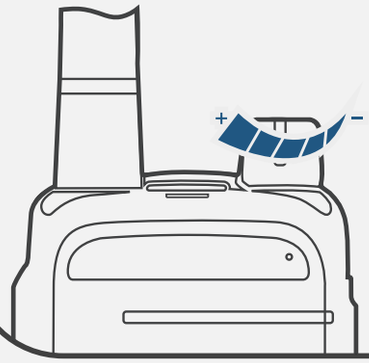
1. To turn on the walkie-talkie, rotate the power switch knob clockwise.



2. To turn off the walkie-talkie, rotate the power switch knob counterclockwise.

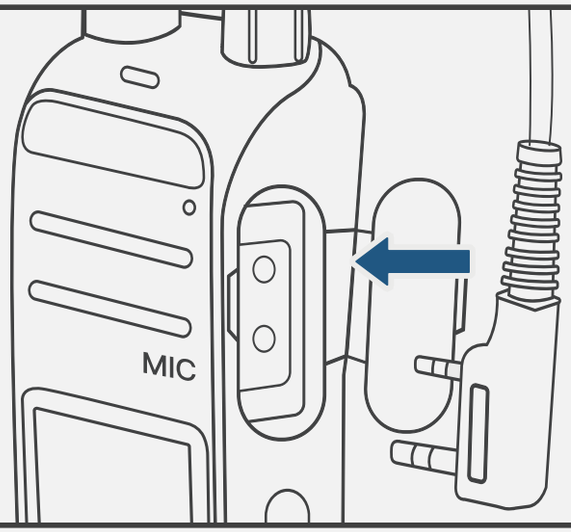
■ Volume Adjustment:

1. The volume control knob is the same as the switch knob. Rotate it clockwise to increase the volume and counterclockwise to decrease it.



2. If background noise is not audible due to the squelch function, press and hold "Side Key 3" while turning the volume control knob to hear the background noise.

INSTALLING ADDITIONAL ACCESSORIES



1. Lift the earphone cover
2. Directly insert the standard K-Head connector into the dual-hole interface.

Note： Earphone, Speaker Mic & Wireless Adapter Included

BASIC OPERATION

■ Receiving

The following are basic settings for receiving.

- Adjusting the squelch level (p. 9)
- Selecting the Frequency selecting mode (p. 10)
- Selecting the operating band (p. 11)
- Selecting the operating mode (p. 11)
- Setting a frequency (p. 12)

■ Adjusting Your Squelch

1. The noise squelch function allows audio to be heard only when receiving signals that are above a set threshold.
2. Higher levels block weaker signals, enabling reception of only stronger signals.
3. Lower levels allow the reception of weaker signals.
4. This product's squelch settings range across 10 levels: 00, 01, 02, 03, 04, 05, 06, 07, 08, 09.
5. In this document, "Noise Squelch" is simply referred to as "Squelch".

How to Operate:

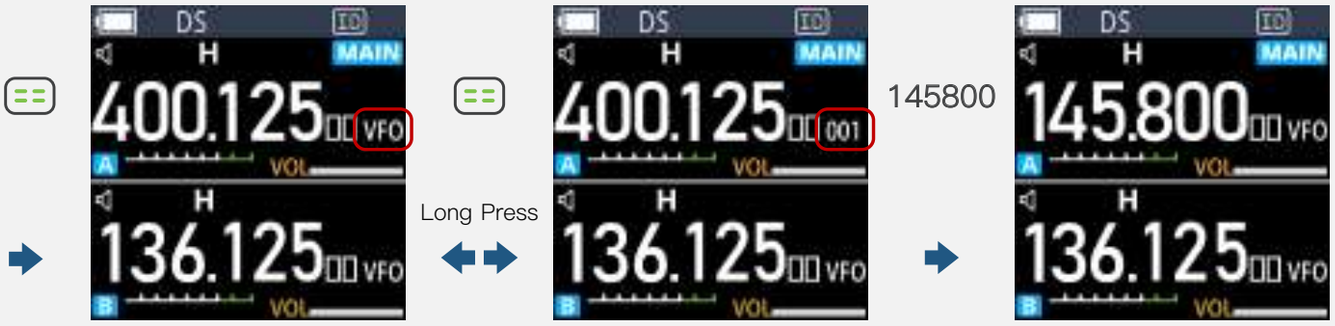
To adjust the squelch settings

1. Press the menu button
2. Use the up arrow to navigate to Menu 01

Note:

1. The principle of setting the squelch level is based on the environment and requirements of use.
2. When a greater communication distance is required, which weakens the received signals, a higher sensitivity is needed, and thus a lower squelch level should be set; for example, set to Level 1.
3. For shorter communication distances with stronger received signals, sensitivity can be decreased by setting a higher squelch level, which reduces noise; for example, set to Level 9.
4. If intermittent transmission occurs, indicating weak signal reception, or if the communication distance changes during a conversation making it hard to hear, then lower the squelch level to increase sensitivity; for example, adjust from Level 8 to Level 2.

■ Selecting The Frequency Mode



The transceiver has frequency selecting modes, as described below:

In standby mode, long-press the [Menu] key to toggle between Frequency Mode and Channel Mode.

Frequency Mode

1. In standby mode, long-press the [Menu] key to switch to FR mode.
2. Use the [Up/Down] keys to change the frequency or directly input the desired full frequency using the numeric keys.

Channel Mode

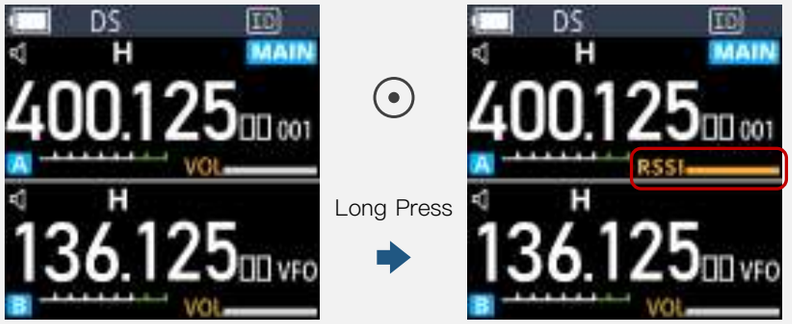
1. In standby mode, long-press the [Menu] key to switch to CH mode.
2. In this mode, use the [Up/Down] keys to change the channel number or directly input the desired channel using the numeric keys. At least one memory channel must be programmed; otherwise, you cannot enter this mode.
3. In Channel Mode, long-press the [Back] key to toggle between Channel Name Mode, Channel Frequency Mode, and Channel Number Mode.

■ Monitor Function

The Monitor function is used to listen to weak signals without changing the squelc setting.

1. Press and hold [Side Key 3] to enter Monitor mode (instant squelch open).

NOTE: While monitoring, the transmission light on top of the intercom glows green.



Selecting the operating band Select the operating band in the VFO mode, as shown below. 1.

Repeatedly push [Menu] to select the VFO mode.

・The selected frequency is displayed.

2. Repeatedly push to select the operating band, as shown below.

■ Using the FM Radio Function

1. In standby mode, press the [FM Key] to enter Radio Mode. In this mode, you can use the up and down keys to change the reception frequency, or directly enter the desired frequency.

2. Press [AB] briefly to search for the next frequency.

3. In Radio Mode, a short press of the [Menu Key] will save the current frequency as a channel, while a long press will toggle between the radio's frequency mode and channel mode.

4. Press the [FM Key] again to exit Radio Mode.

Note: Directly input the frequency using the keypad (frequency range: 65.000~108.000MHz).

■ FM Scan Function

The A36Plus supports changing the FM frequency range for scanning, helping you find the range you want.

1. In standby mode, press the [FM Key] to enter Radio Mode.
2. Press the [Menu] Key to Enter the FM Menu, which supports FM Scan Function and FM Channel Save Function.
3. Press the [UP] Key to the menu option to choose the Frequency Range.
4. Press the Menu Button to choose The frequency Range.

■ Selecting a Tuning Step

In VFO (Variable Frequency Oscillator) mode, selecting the appropriate tuning step is crucial for precise frequency adjustments and effective scanning. The A36Plus provides a variety of tuning steps to suit diverse communication needs, ensuring both flexibility and precision.

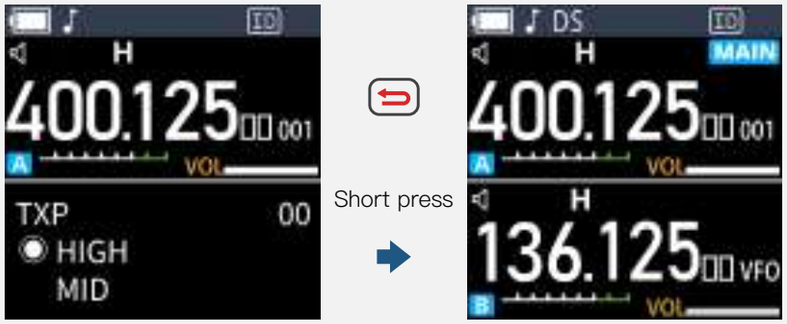
Access Tuning Step

1. In VFO Mode, press the MENU button to access the MENU Page.
2. Use the Up/Down Key to navigate to Menu Option 11.
3. Use the MENU Key and UP/DOWN Key to select the tuning step you need.

Note: The selected tuning step will be applied to the VFO scan function.

■ Exit Set Mode

Push [Back] to exit the Set mode.



Detailed Tuning Steps and Their Uses

Tuning Step (kHz)	Typical Use
5	Fine tuning for precision frequency control
10	Standard amateur radio frequency steps
12.5	Common for land mobile radio systems
15	Slightly broader tuning for quick adjustments
20	Useful for commercial broadcasting tuning
25	Standard public service band tuning
30	Broad tuning for scanning wide frequency ranges
50	Rapid scanning across bands
100	High-speed scanning for quick searches
125	Ultra-wide adjustments for specialized applications
200	Maximum range scanning for extensive searches

This comprehensive overview includes all the necessary steps to access and configure the tuning steps on the A36Plus, along with a detailed table that outlines their specific applications. By following these instructions, users can select the optimal tuning step to enhance their device's performance for both transmission and scanning activities.

■ Setting a Frequency

Select VFO Mode

Repeatedly press the MENU Button to select the VFO mode.

Set Frequency

Use the ten-key pad to directly input the desired frequency.

Example：Set 433.580 MHz

To set 433.580 MHz, press [4], [3], [3], [5], [8], [0].

Change Frequency

Examples:

To change from 433.580 MHz to 440.000 MHz (for frequencies under 10 MHz),press [4], [4], [0], [0], [0], [0].

■ Transmitting

Making a simplex call

⚠WARNING!NEVER transmit for long periods of time. During prolonged transmissions at high power or mid-power, the transceiver radiates heat to protect itself from overheating. The transceiver's chassis will become hot and may cause a burn.To prevent the transceiver's overheating, the default setting of the time-out timer function is set to 5 minutes. Be careful when the time-out timer function is turned OFF orset to a long time period, and you transmit for long periods.

CAUTION: DO NOT operate the transceiver where heat dissipation will be obstructed if the transceiver is also being charged with an external power supply. Poor heat dissipation may cause a burn, warp the casing, or damage the transceiver.

CAUTION: DO NOT transmit without an antenna.

NOTE: When the transceiver becomes hot, the transceiver's heat protection function gradually reduces the output power to approximately 2.5 watts, then it stops transmission after that. This is done to protect the transceiver itself until it can cool down.

NOTE: You can transmit on only the amateur frequency bands.

IMPORTANT: Before transmitting, monitor the operating frequency to make sure transmitting won't cause interference to other stations on the same frequency.

■ Making a simplex call

1.Use the keypad to enter your operating frequency or hold down the menu key to switch to channel mode and select your frequency.

2.Press the menu button and choose the menu option 00 to set your transmission power .

- Note: Select a power level that suits your operating requirements.
- When selecting medium or low power, "M" or "L" is displayed.
- When selecting high power, the power icon shows "H"

3. Hold down the [PTT] button to transmit, and speak into the microphone at your normal voice level.

·The TX/RX indicator lights red.
·The S-meter displays the output power level.

4. Release the [PTT] button to receive signals.

TIP: To maximize the readability of your signal

1. After pushing [PTT], pause briefly before you start speaking.
2. Hold the microphone 5 to 10 cm (2 to 4 inches) from your mouth and speak normally.

Note: Lower output power during short-range communications may reduce the possibility of interference to other stations.

· When the TBL12 is attached: Approximately 5 W (High) /2.5 W (Mid) /0.5 W (Low)

■ Introduction to S-Meter Display

The S-Meter display function indicates the strength and readability of the received signal. By enabling this feature, users can get a more intuitive understanding of signal quality, allowing for effective communication adjustments.

■ Enable Your S-Meter Display

1. Press the menu button and choose the menu option 49.
2. Choose the "ON" to open the S-Meter Display

Note: When receiving a signal, if the signal report is greater than 59, "S9+" will be displayed along with the specific dB value.

■ S-Meter Display Explanation

The S-Meter indicates the signal report of voice clarity and signal strength, with S9 representing very clear voice and very strong signal.
S9+20 or S9+60 indicates that the signal strength has reached S9 and exceeded by 20dB or 60dB.
When relaying through a repeater, the received signal is generally constant, so the signal report remains stable.
This signal report is for reference only.
By using the S-Meter display function, users can better assess the quality of communication signals and make effective operational adjustments.

■ Lock Function

The lock function prevents accidental frequency changes and unnecessary function access.

Lock Your Radio

1. Hold down the [FM] key until you hear a voice prompt to toggle the Key Lock function ON or OFF.
2. When activated, the screen displays a "🔒" icon

Note: The AutoLock feature can be set in menu 47.

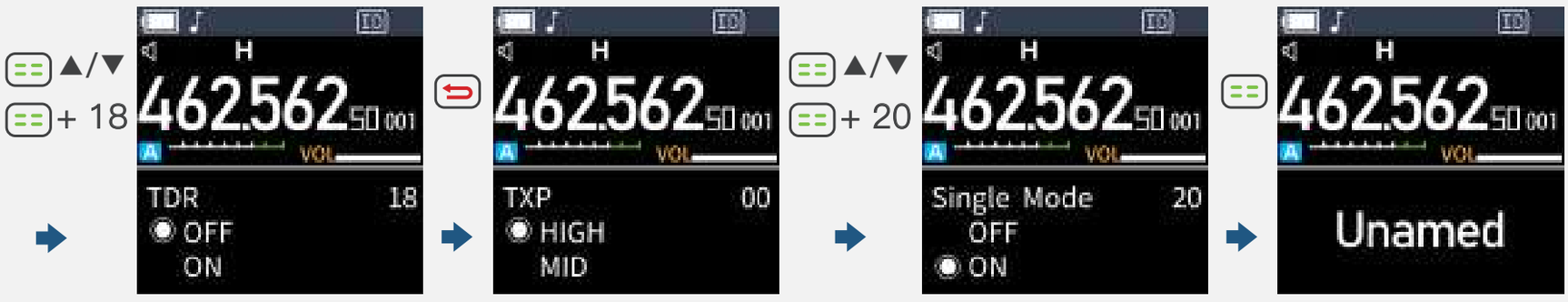
■ Using The Single Display Mode

To accommodate users unfamiliar with the dual display mode of the A36Plus, we have introduced a single display mode in the A36Plus 8W version. Users can now easily switch between single and dual display modes to suit their preferences and needs.

Setting The Single Display Mode

1. Disable the dual watch function through menu item 18.
2. Enable the single display mode through menu item 20 to show only one frequency or channel.

If the dual watch function is not turned off, the single display mode will be ineffective.
If the device name has not been set, it will display "Unnamed". (The device name can be set through menu item 56).



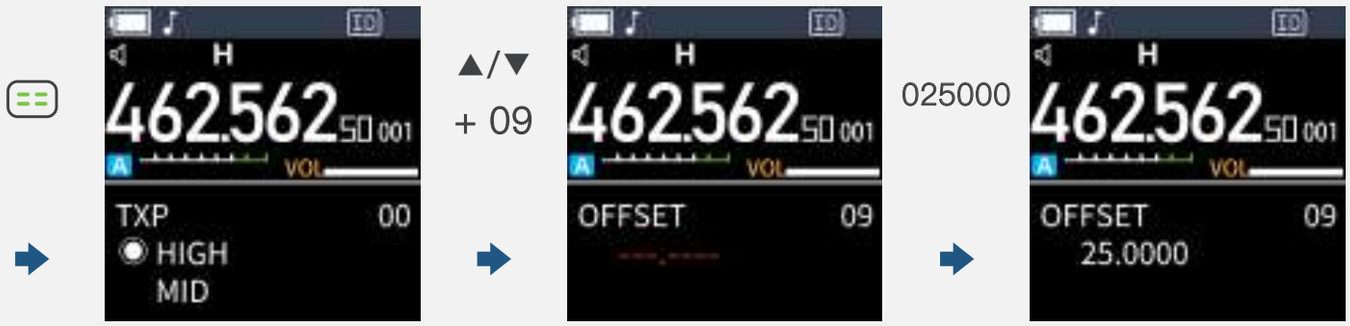
USING THE MENU

You can use the Menu to set infrequently changed values or function settings. The transceiver has two types of Menu modes, as shown below.

■ Using the Basic Menu Setting

Example: Selecting a 25 kHz tuning step

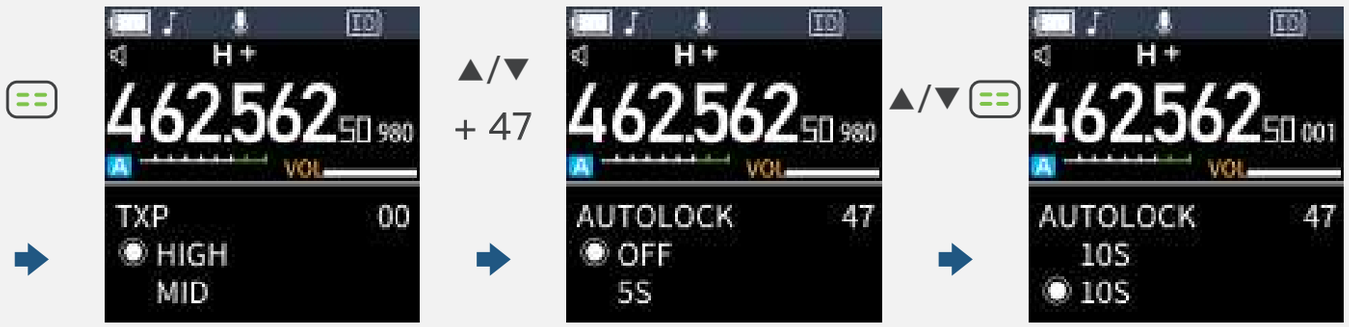
1. Press the Menu button.
2. The Menu interface is now displayed.
3. Press the "Up" button multiple times until you reach Menu Option 09.
4. Manually enter the Offset number on the keypad, inputting 025000 here.
5. Press the Menu button to save.



■ Using the Initial Set mode

Example: Setting the AUTOLOCK for 10 Seconds

1. Press the Menu button.
2. The Menu interface is now displayed.
3. Press the "UP" button multiple times until you reach menu option 47.
4. Continue pressing the "UP" button multiple times until you reach the 15–second option.
5. Press the menu button again to save.



■ Set mode items

Number	Menu	Sub-menu (Options)	Menu Description
00	POW	High Power	High power transmission on the current frequency or channel.
		Medium Power	Medium power transmission on the current frequency or channel.
		Low Power	Low power transmission on the current frequency or channel.
01	SQL	0-9	Squelch levels range from 0 to 9, with lower levels being more prone to interference and higher levels having reduced sensitivity. Setting the level at 5 is advised.
02	R-CDC	OFF	Turn off the analog sub-audio (press 0 in the sub-audio frequency selection list for a quick shutdown).
		67.0~254.1	Use the up/down keys to select from the standard sequence of analog sub-audio tones; alternatively, you can enter non-standard sub-audio tones using the keyboard.
03	T-CDC	OFF	Deactivate analog sub-tone (press 0 in the sub-tone selection list for rapid deactivation).
		67.0~254.1	Navigate through the standard sequence of analog sub-tones using the up/down keys; non-standard sub-tones can also be input directly via the keyboard.
04	R-DCS	OFF	Turn off digital sub-tone (press 0 in the sub-tone selection list for a quick shutdown).
		D023N~D754I	Select the standard sequence of digital sub-tones using the up/down keys.
05	T-DCS	OFF	Disable digital sub-tone (press 0 in the sub-tone selection list to quickly turn it off).
		D023N~D754I	Use the up/down keys to select from the standard sequence of digital sub-tones.
06	SCAN CTCSS	Scan Activated	In frequency mode, scan for analog sub-tones set by other transmitters on the current frequency; the scan will automatically stop when one is found. (Not available in channel mode)
07	SCAN DCS	Scan Activated	In frequency mode, scan for digital sub-tones set by other transmitters on the current frequency. (Not available in channel mode).
08	CDCSS SAVE MODE	All	If using the scan for analog sub-tone or digital sub-tone function, once a sub-tone is detected, it is automatically saved as the receive and transmit sub-tone for the current frequency.
		Receive	Scanning for analog or digital sub-tones will automatically save the detected sub-tone as the receive sub-tone for the current frequency.
		Transmit	When scanning for analog or digital sub-tones, the detected sub-tone is automatically saved as the transmit sub-tone for the current frequency.

Number	Menu	Sub-menu (Options)	Menu Description
09	SET	Directly input frequencies from 00.000 to 99.995 using the keyboard.	In frequency mode, the difference between the transmit and receive frequencies can be adjusted (whether an offset is applied is controlled by the offset direction setting).
10	S-D	OFF	In frequency mode, turn off the offset between the transmit and receive frequencies; it is off by default.
		-	In frequency mode, the transmit frequency is equal to the receive frequency plus the offset frequency, typically used for accessing repeater stations.
		+	In frequency mode, the transmit frequency is equal to the receive frequency minus the offset frequency, typically used for accessing repeater stations.
11	STEP	2.5K、5K、6.25K、10K 12.5K、20K、25K 30K、50K	In frequency mode, pressing the up or down key changes the step value of the frequency.
12	MEN -CH	001~999	In frequency mode or channel mode, select the channel number to save. If "CH" is displayed, it indicates the channel is already saved, and the current channel will be overwritten.
13	CH- NAME	Default settings: Channels 1-10, Workgroups 1-10, Repeaters 1-10.	You can assign a name to the current channel or customize it through programming software.
14	DELCH	001-999	Delete the stored information of the current channel; if "CH-001" is displayed, it means the channel is already saved. If "001" is shown, the channel is free and has no stored information, making the operation invalid.
15	SCAN ADD	Add	If the current channel needs to be included in the scan, it should be set to "add" status.
		Delete	If the current channel should not be scanned, set it to "delete" status.
16	W/N	Wide	Operate in wide band.
		Narrow	Operate in narrow band.
17	VOICE -PRI	OFF	Turn off encryption to ensure compatibility with standard analog systems.
		Encryption 1, Encryption 2, Encryption 3.	Activate frequency hopping with the option to select an encryption group. Only devices with matching encryption groups can communicate. Once enabled, accessing repeaters is not possible.
18	TDR	ON	Enable simultaneous monitoring of two frequencies or channels.
		OFF	Monitor only the main frequency or channel indicated by the MAIN icon.

Number	Menu	Sub-menu (Options)	Menu Description
19	TX-A/B	OFF	The MAIN icon indicates which frequency or channel will be transmitted. If【Side Key 2】is set to PTT B, this function is disabled.
		A	Regardless of where the MAIN icon is selected, transmission occurs only on the frequency or channel of Segment A.
		B	Regardless of where the MAIN icon is selected, transmission occurs only on the frequency or channel of Segment B.
20	Single Mode	ON	In standby mode, only display one channel or one frequency.
		OFF	In standby mode, the default setting displays two channels or two frequencies.
21	MDF-A	Channel Name	In channel mode, display the channel name.
		Channel Frequency	In channel mode, display the channel frequency.
		Channel Number	In channel mode, display the channel number.
22	MDF-B	Channel Name	In channel mode, display the channel name.
		Channel Frequency	In channel mode, display the channel frequency.
		Channel Number	In channel mode, display the channel number.
23	VOX	OFF	Turn off voice-operated transmission (VOX).
		Level 1-9	Activate voice control sensitivity, where level 1 is the most sensitive and level 9 is the least sensitive.
24	VOX DELAY	0.5sec~2.0sec	From 0.5 to 2.0, with 0.1 increments as options.
25	STE	OFF	Release the PTT without sending a shutdown code, typically used in relay transfer to produce noise, confirming if the signal from the device is being relayed.
		ON	After releasing the PTT button, the device emits a shutdown code to suppress the momentary noise at the receiving end.
26	TAIL PHASE	None	Default is set to 90 degrees.
		120 degrees 180 degrees 240 degrees	Select the appropriate phase according to different repeaters to eliminate the "click" end tone.
27	ANI FUNC-TION	OFF	Turn off the ID code function.
		ON	Transmit the device name simultaneously through signaling when transmitting.

Number	Menu	Sub-menu (Options)	Menu Description
28	DTMF CODE	OFF	Turn off DTMF encoding.
		Press PTT to encode	Press the PTT button to transmit a DTMF code.
		Encode simultaneously	Press and release the PTT button to transmit a DTMF code.
		Release PTT to encode	Release the PTT button to transmit a DTMF code.
29	PTT-LT	0Ms、100Ms、200Ms 400Ms、600Ms 800Ms、1000Ms	Delay time before automatic encoding.
30	RP-STE	1-10s	When transmitting through a repeater, after the sender releases the PTT button and the device switches to receive mode, the delay from the repeater can cause a momentary signal and noise to be received. Adjusting the value of this menu item properly can prevent noise in the device during repeater transmission.
		OFF	If the noise is needed to confirm whether the repeater is working, this menu can be turned off.
31	RPT-RL	1-10s	When relaying signals through a repeater, to confirm whether the repeater has relayed the signal for the device, utilize the delay time when the repeater stops transmitting. This allows the device to confirm that the signal has been relayed. This menu item adjusts the duration of the noise that occurs for this confirmation.
32	DTMFST	OFF	No sidetone is emitted for keypad tones during transmission.
		PTT + ID	The device emits the tone sound when keypad tones are used during transmission.
		ID	The device emits the tone sound during automatic ID transmission.
		Side-tone	The device emits the tone sound for both keypad and automatic ID transmissions.
33	S-CODE (Squelch Tail Eliminate)	OFF	Turn off this feature if the noise is not needed.
34	TONE	1000hz	Plays a specific tone when Side Key 3 is pressed while pressing PTT.
		1450hz	
		1750hz	
		2100hz	
35	ROGER	OFF	No tone at the end of transmission.
		BEEP(End Tone)	The default end of transmission tone.
		DC1200	A distinctive signaling end tone.

Number	Menu	Sub-menu (Options)	Menu Description
36	RX END TAIL	OFF	No beep after receiving.
		GSTAR	If the transmitting device activates the tail tone elimination feature, the receiver will hear a simulated GSTAR signal beep. If this feature is not activated, the receiver will first hear the persistent click sound.
37	PF2	FM Radio	Activates the FM radio function.
		Transmit Power	Switch between high and low power.
		Scan	Scan frequencies or channels.
		Search	Scan frequencies and sub-tones.
		Weather Forecast	Activate the weather forecast function.
		Remote Sub-tone Scan	Activate remote sub-tone scanning.
		PTT B	Set Side Key 2 as the transmit button for Band B.
38	PF2 LONG PRESS	FM Radio	Activates FM radio function.
		Transmit Power	Switch between high and low power.
		Scan	Scan frequencies or channels.
		Search	Scan frequencies and sub-tones.
		Weather Forecast	Activate the weather forecast function.
		Alarm	Emit an alarm (similar to SOS button function).
		DTMF	Enter DTMF encoding mode.
39	PF3	FM Radio	Activates FM radio function.
		Transmit Power	Switch between high and low power.
		Scan	Scan frequencies or channels.
		Search	Scan frequencies and sub-tones.
		Weather Forecast	Activate the weather forecast function.
		Alarm	Emit an alarm (similar to SOS button function).
		DTMF	Enter DTMF encoding mode.
40	TOP KEY	Invert Frequency	Switch the inversion of transmit and receive frequencies; toggle off-network mode where transmit and receive frequencies are the same.
		DTMF	Enter DTMF encoding mode.
		Weather Forecast	Activate the weather forecast function.
		Search	Scan frequencies and sub-tones.

Number	Menu	Sub-menu (Options)	Menu Description
40	TOP KEY	FM Radio	Activates FM radio function.
		Transmit Power	Switch between high and low power.
		Scan	Scan frequencies or channels.
41	SAVE	OFF	Turn off power-saving mode.
		Normal Saving	Engage standard power-saving.
		Super Saving	Engage enhanced power-saving.
		Deep Saving	Engage maximum power-saving.
42	SC-REV (Scan Resume)	Time	Time-controlled scanning pauses on signal detection, holding for about 5 seconds before resuming, even if the signal persists.
		Carrier	Carrier-controlled scanning pauses on signal detection and remains on that frequency until the signal ceases, with a 2-second delay before scan resumes to allow response transmission.
		Search	Search scanning exits scan mode and stays on the frequency when a signal is detected.
43	AL-MOD	Send Alert Code	Only send the alert code when SOS button is pressed.
		Send Alert Tone	Send an alert tone when SOS button is pressed.
		Local Alarm	Only the device emits an alarm sound when SOS is pressed.
44	BCL	OFF	Turn off busy channel lock.
		ON	Activate busy channel lock.
45	TOT(Tim-Out Timer)	OFF	Disable transmission time limit.
		30 sec、 60 sec、120 sec 240 sec、 480 sec	Set the maximum transmission time when PTT is pressed.
46	ABR Auto Backlight	Always-On	Keep the backlight always on, not turning off automatically.
		5s、10s、15s、20s 30s、1min、2min、3min	Set the duration after which the system automatically turns off the backlight without any operation.
47	AUTO-LOCK	OFF	Do not automatically lock the keyboard; keep it always active.
		5s、10s、15s	Set the duration after which the system automatically locks the keyboard with no operation; only PTT, Side Key 2, and Side Key 3 remain usable. Press and hold the FM key to unlock.
48	Unlock Sw CH	OFF	Up/down keys are disabled when the keyboard is locked.
		ON	Up/down keys can still change channels (not effective in frequency mode) when the keyboard is locked.

Number	Menu	Sub-menu (Options)	Menu Description
49	Dis S Table	OFF	Turn off S-meter display.
		ON	Display S9+ and the specific dB value when the received signal report is greater than 59.
50	BEEP PRO -MPT	OFF	Disable the beep/buzz sound for keyboard operations.
		ON	Enable the beep/buzz sound for keyboard operations.
51	VOICE	OFF	Turn off Chinese voice prompts during menu operations.
		ON	Enable Chinese voice prompts during menu operations.
52	POWER ON MSG	Default Icon	Default to Talkpod logo.
		Battery Voltage	Display current battery voltage.
53	MENU EXIT TIME	5s、10s、15s、20s 25s、30s、35s、40s 45s、50s、60s	Set the duration after which the system automatically exits to standby mode without any operation.
54	LANGU -AGE	CHINESE	Menu displays in Chinese.
		ENGLISH	Menu displays in English
55	ANI NAME	System default: Machine 1-50, HAM1-HAM10.	Name the device or customize it via programming software, including call sign.
56	RESET	Frequency Mode	Clears all channels, but not the set function options.
		All	Erases all channels and function settings, restoring to factory defaults.
57	Instruc -tions	View Instructions	Display a QR code that can be scanned with a smartphone to access the user manual for the current model.
58	VERSI -ON	Version Information	View the current software version.

Notes

·The menu operates in a single-level mode. When entering the menu, you need to switch 【MAIN】to indicate whether to set segment A or B. When dual PTT mode is activated (factory default sets【Side Key 2】as PTT2), pressing the PTT button will transmit on segment A frequency, even if【MAIN】is displayed on segment B.

·For any option with numbers, you can directly enter the number on the keyboard to quickly select it. If there are only "on" and "off" options, 1 represents "on," and 2 represents "off."

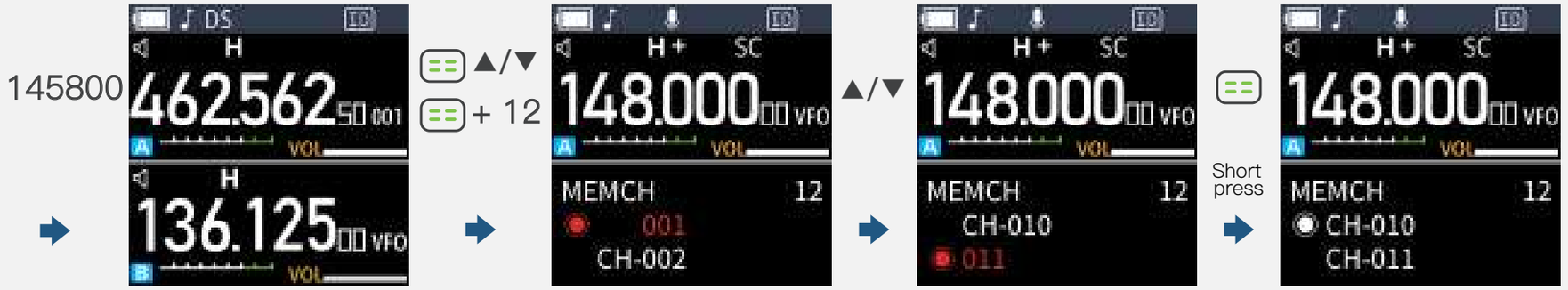
·In versions before software V2.4, some menu text, order, and functions may slightly differ. Understand the meaning literally, as there are no significant differences.

■ Entering Memory channels

The transceiver has a total of 999 Memory channels to save often–used frequencies. In the Memory mode, you can quickly select the saved memories. This section describes the basic channel content entry.

Example: Entering 145.800 MHz into Channel 11

1. Press and hold the menu button to switch to VFO mode.
2. Enter 145.800 on the keypad, and it will be displayed on the screen.
3. Briefly press the menu button and press the "UP" key to navigate to menu option 12.
4. Press the "UP" key to find CH–11.
5. Press the menu button to save.



■ Clearing Memory channels

Clear Memory channel content that is no longer in use, as shown below.

1. Press the Menu button briefly and press the Up button to go to menu option 14.
2. Press the Up button to find the channel you want to delete.
3. Press the Menu Key to save.

SCANNING FUNCTION

Scanning is a versatile function that can automatically search for signals. A scan makes it easier to locate stations to contact or listen to, or to skip unwanted channels or frequencies.
This section describes the basic scan operation. See the Advanced manual for details.

■ Example: Scanning in VFO Mode

1. Hold on MENU Key to select the VFO mode.
2. Hold on the A/B button until you hear scanning begin to launch scanning.
3. Hold on the A/B Button or press BACK Key to stop scanning.

■ 3 Scan function：Tone Operated, Carrier Operated & Search

Before using the scan function, you must first determine how the radio should continue scanning after detecting a signal. You can choose one of the following modes:

Tone Operated (TO) Mode:

The radio stops scanning and remains on the same frequency when it detects a signal. After staying in the stopped state for approximately 5 seconds, even if the signal is still present, the radio will continue scanning.

Carrier Operated (CO) Mode:

The radio stops scanning and stays on the same frequency when it detects a signal. It will continue scanning once the signal disappears. There is a 2-second delay between the signal disappearance and the resumption of scanning to allow time for response transmission.

Search (SE) Mode:

The radio exits scanning and stays on the frequency when it detects a signal.

How To Set These Mode:

1. Press The Menu Button.
2. Press The "Up" Button multiple times to Menu Option 42.
3. Use the "Up & Down" to choose your scan function.
4. Press the "MENU"to save your choice.

■ Example: Seek & Search

1.Repeatedly push MENU to select the VFO mode.
2.Hold down the side key 2 until the screen shows the "seek & search".
3.After the screen displays the frequency and sub-audio, you can press the [menu key] again to store.

DTMF CODE

Dual-tone multi-frequency (DTMF) signaling is a method used for telecommunication signaling over analog telephone lines. It is employed for various applications including automated dialing, remote control of systems, and as an access method for secure communications. Each DTMF code is a combination of two specific frequencies, representing a unique digit or character, enabling precise and reliable command transmission.

DTMF Code Entry and Transmission Guide

■ Master Your DTMF Code

1. Access the DTMF code editing interface.
2. Use the keypad to enter the DTMF code you need to send.

Note: · If the code is fewer than 6 digits, press the FM key to finish.
· In edit mode, press Side Key 3 briefly to delete the code.
· If the code is cleared, press Side Key 3 again to exit DTMF edit mode.

3. After completing the input, press the PTT button to transmit the code.

Note: The corresponding codes are as follows

0-9					A/B	FM
0-9	A	B	C	D	*	#

Customizing the short press of Side Key 3 to quickly enter DTMF mode is only supported through menu item 42.

SUB-AUDIO

■ CTCSS (Continuous Tone Coded Squelch System)

is a technology that adds a frequency (67–254.1Hz) lower than the audio frequency to the audio signal for transmission. It is also known as sub– audio because its frequency range is below the standard audio, i.e., less than 300Hz.

■ CDCSS (Continuous Digital Coded Squelch System)

Is a continuous digital coded squelch system that serves the same purpose as CTCSS but uses digital encoding as the condition for determining whether the squelch is open. It consists of a fixed code group that is continuously transmitted. It is also called sub–audio digital or digital sub–audio because its frequency is also below 300Hz.

In the non–standard analog sub–audio editing state, non–standard sub– audio can be directly input.

You can set CTCSS and CDCSS in the Menu 3 to Menu 9

■ NOAA

In severe weather conditions such as heavy storms or hurricanes, the National Oceanic and Atmospheric Administration (NOAA) will issue weather alerts and an audio tone at 1050 Hz, followed by subsequent weather reports on the NOAA weather channel.

International Standard Frequency Table:

1	162.550MHz	4	162.425MHz	7	162.525MHz	10	163.275MHz
2	162.400MHz	5	162.450MHz	8	161.650MHz		
3	162.475MHz	6	162.500MHz	9	161.775MHz		

You can customize the settings for Side Key 2 and Side Key 3 to quickly enter the weather forecast mode through menu items 40–42.

- Use the WXtoImg software to demodulate, decode, and convert the received signal into satellite cloud images
- This feature is only available in certain countries.

■ Super Mode

Under the state of power off, press and hold PTT and numeric button 9 at the same time, turn on the power, and restart automatically after displaying SUPER MODE, then you can enter the developer mode.

Tips:

1. Please observe the relevant laws and regulations, and you must replace the corresponding shortwave antenna when using 18–30MHz.
2. This mode only work in Talkpod A36Plus MAX

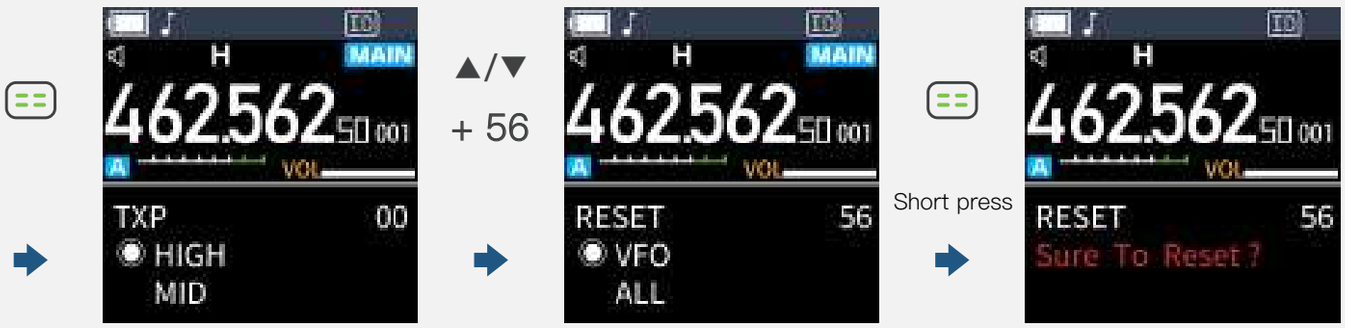
RESETTING

If the transceiver has a malfunction caused by an external factor such as static electricity, reset it using the Partial Reset or All Reset function.

BE CAREFUL! An All Reset clears all programming and returns all settings to the factory defaults.

■ Partial Reset

1. Press The Menu Button
2. Press The "Up" Key multiple times to select Menu Option 56



Our Reset Function gives you VFO reset and All setting reset.

TIP: A Partial Reset resets the operating settings to their defaults without clearing the following:

- Memory Channel contents
- Scan Edge contents
- Call Channel contents
- DTMF memory contents
- Home Channel settings

EDIT YOUR CHANNEL NAME

With the new built-in input method, you can now edit the name of your walkie-talkie as well as the names of individual channels!

■ Edit Your Radio Name (Only Avaliable in A36Max)

Example: Setting your walkie-talkie name to Talkpod

1. Press the Menu key and select menu 55
2. Press the Menu key and enter T, A, L, K, P, O, D.
3. Press the Menu key to save.

Note:

1 . When editing channel names, device names, etc., you can directly input information in both Chinese and English.

2. Press the FM key to switch languages, cycling through Pinyin, lowercase English, uppercase English, and numbers.

3. Using the numeric keypad, enter the letters of the Pinyin one by one. Use the up/down keys to select from the suggested characters, press the [Menu] key to select, then use the up/down keys to choose the corresponding character, and press the [Menu] key to confirm the input.

■ Identity Code

1. Set the device name through menu option 56. (Supports both Chinese and English)
2. Enable the Identity Code function through menu option 28. (An ID icon will appear at the top of the screen)
3. Choose the on/off line code through menu option 29. (Select when to transmit the identity code)
   - If the on/off line code function in menu option 29 is set to off, the Identity Code function will be disabled.
   - When transmitting, the device name will be sent via signaling. Devices with the same protocol will receive the name information, supporting both Chinese and English.

COMMON ISSUES

Issue Description	Reason Description
No receive end tone function	This function is not available in software versions prior to V1.13. If needed, you can upgrade tosoftware version V1.14 or later.
No DC1200 signaling end tone on the repeater.	The repeater failed to decode the signaling. Please confirm if the repeater has disabled thedecoding function.

■ Troubleshooting

Fault Description	Analysis	Solution
Failure to power on.	Battery may be incorrectlyinstalled.	Remove the battery andreinstall it.
	Battery may be depleted.	Removebatt or replace the battery.
	Poor battery contact due to dirt or damage.	Clean the battery contacts. If the issue persists, contact your dealer or authorized service center for inspection and repair.
Weak, intermittent, or no sound during reception.	Low battery voltage.	Charge or replace the battery.
	Low volume.	Increase the volume by rotating the volume control knob.
	Loose or improper antenna installation	Reassemble the antenna properly after turning off the radio.
	Speaker may be blocked or damaged.	Clean the speaker surface. If the issue persists, contact your dealer or authorized service center for inspection and repair.
Unable to communicate with other members.	Frequency or signaling settings may be inconsistent with other members in the group.	Set the same frequency and signaling as other members in the group.
	Too far away from other members in the group.	Get closer to other members.
Other call sounds or noise appear in the channel.	Interference from other users on the same frequency.	Change to a new frequency or adjust the squelch level.
	No sub-audible signaling set.	Set sub-audible signaling for all radios in the group to prevent interference. However, the signaling settings must be changed on all handheld terminals within the group.

Fault Description	Analysis	Solution
Excessive background noise.	Too far away from other members during communication.	Get closer to other members.
	Poor location, such as being obstructed by tall buildings or being in a basement.	Move to an open and flat area, then retry powering on.
	Interference from external environment or electromagnetic sources.	Avoid devices that may cause interference.

INFORMATION

■ Specifcations

· Measurements made without an antenna.

· All stated specifcations are subject to change without notice or obligation.

General

Frequency coverage (unit: MHz):

USA version

FM Radio		88.00 ~ 108.00
FM (VHF/UHF)	Receive:	136.000 ~ 174.000 (Guaranteed only 144 ~ 148 MHz)
		400.000 ~ 479.000 (Guaranteed only 440 ~ 450 MHz)
	Transmit:	144.000 ~ 148.000
		430.000 ~ 450.000 (Guaranteed only 440 ~ 450 MHz)

EXP version

FM Radio		76.00 ~ 108.00
FM (VHF/UHF)	Receive:	136.000 ~ 174.000 (Guaranteed only 144 ~ 148 MHz)
		400.000 ~ 479.000 (Guaranteed only 430 ~ 440 MHz)
	Transmit:	136.000 ~ 174.000 (Guaranteed only 144 ~ 148 MHz)
		400.000 ~ 479.000 (Guaranteed only 430 ~ 440 MHz)

EUR version

FM Radio		76.00 ~ 108.00
FM (VHF/UHF)	Receive:	136.000 ~ 174.000 (Guaranteed only 144 ~ 146 MHz)
		400.000 ~ 479.000 (Guaranteed only 430 ~ 440 MHz)
	Transmit:	144.000 ~ 146.000
		430.000 ~ 440.000

Modes:	M13B5UV3
The number of Memory channels:	999 channels
Usable temperature range:	−20°C ~ +60°C, −4°F ~ +140°F
Tuning steps:	2.5 5.0 6.25 10.0 12.5 20.0 25.0 50.0 kHz ±2.5 ppm
Frequency stability:	(−20°C ~ +60°C, −4°F ~ +140°F)
Power supply:	7.2 V DC nominal
Current drain:	
Transmit	2.5 A or less
Receive (Maximum output)	600 mA or less
Antenna connector:	SMA (50)
Dimensions:	51.21 (W) x 122.0 (H) x 38.55 (D) MM
Weight (approximate):	264g

■ Transmitter

Modulation system:	Frequency shift keying modulation
Output power (at 7.2 V DC):	High: 5.0 W, Mid: 2.5 W, Low: 0.5 W
SAR 10g:	2.20 W/kg
Maximum frequency deviation:	±5.0 kHz (FM), ±2.5 kHz (FM–N)
Spurious emissions:	−60 dBc or less at High/Mid
	−13 dBm or less at Low
Microphone impedance:	2.2 k

■ Receiver

Receive system:	Direct Conversion
Sensitivity:	−15 dBμ V or less (at 12 dB SINAD)
Audio output power:	
Internal speaker	1.5 W or more at 10% distortion into an 8 Ω load
External speaker	0.45 W or more at 10% distortion into an 8 Ω load
Selectivity:	55 dB or more (FM: 25 kHz)
	50 dB or more (FM–N: 12.5 kHz)
Spurious response:	60 dB or more
Squelch Sensitivity:	−15 dBμV or less (threshold)

■ About CE and DOC

Hereby, Talkpod Inc. declares that the versions of A36Plus which have the "CE" symbo on the product comply with the essential requirements of the Radio Equipment Directive, 2014/53/EU, and the restriction of the use of certain hazardous substances in electrical and electronic equipment Directive, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address:https://talkpod.com/pages/support

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.