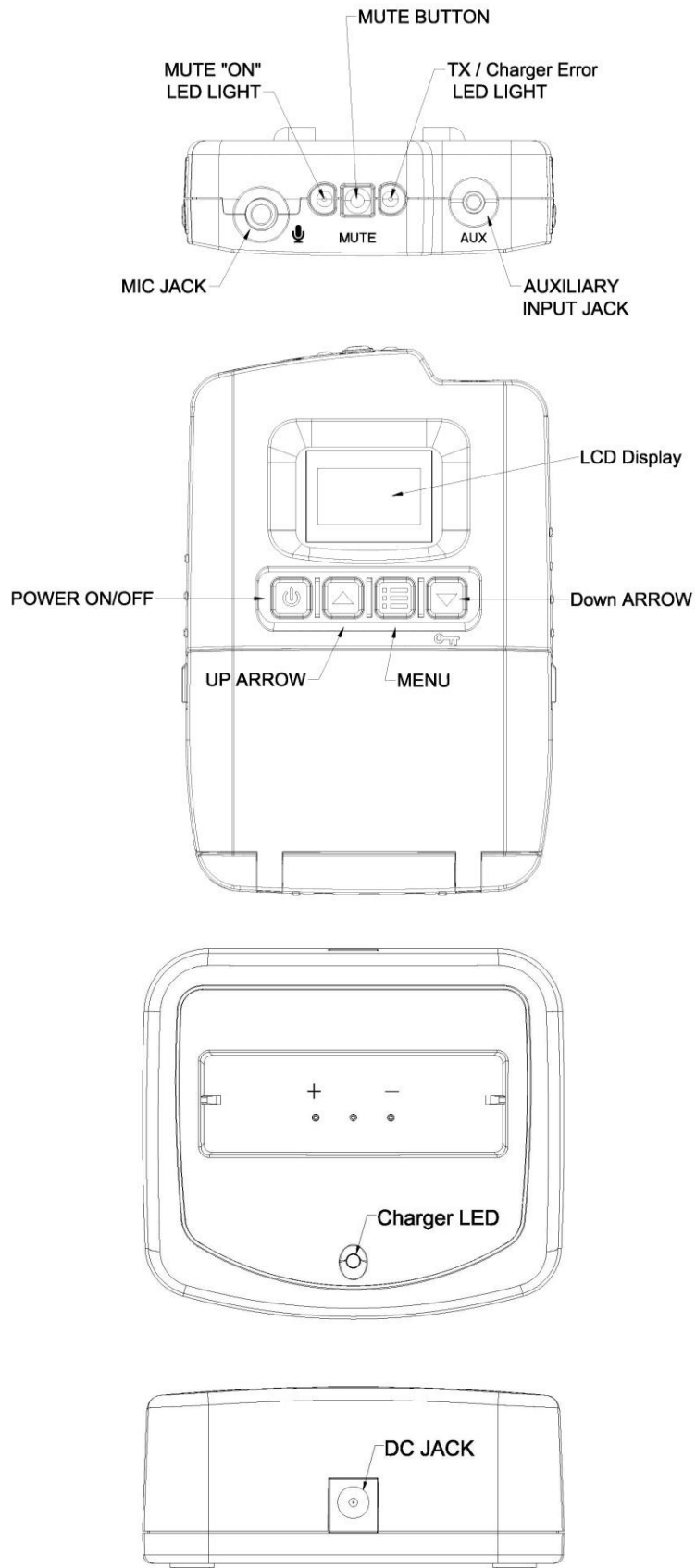
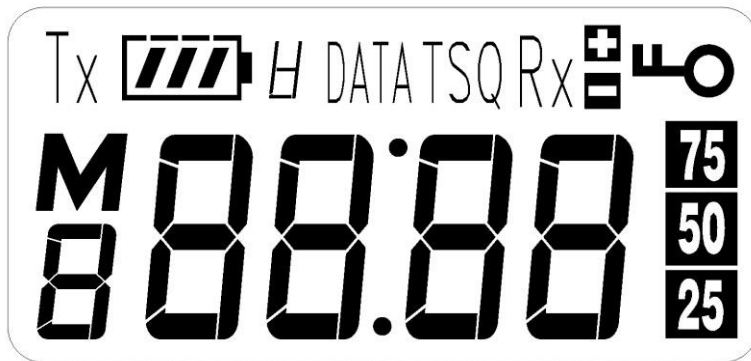


TP-600 FM Transmitter Operating Manual



LCD Full Display:



1. : Battery capacity indicator
2. : 2:1 Compression Ratio, : 1:1 Compression Ratio
3. : Key Locked Icon
4. **M** : Menu Icon & Microphone Mute Icon (flashing)
5. : Function indicator during “Menu” operation
6. : Channel number indicator in standby mode
7. : Channel number indicator in Priority setting mode
8. : FM deviation indicator

General Operation Mode:

1. **Power ON/OFF & Transmission:** Hold press the [] button 3 seconds will turn on the radio, it will be in standby mode (see LCD display of Fig 1). When plug in the external Microphone, it will turn on the TX LED & in transmission mode, if remove the Microphone will stop transmission, the TX LED turn off.

Fig 1



Hold press the [] button 3 seconds again will turn off the device.

(2) MIC MUTE setting: At radio operating mode, press the MIC Mute button once to turn on this function (see LCD display of Fig 2), the “Mute LED” will be flashing, the External Microphone will be disable. .

Fig 2



Press the MIC Mute button again will turn off this function & mute the Microphone, the LCD “M” icon will disappear & turn off the red LED.

(3) Audio Modulation indicator: There are 3 level's icon (25, 50, 75) to indicate the audio input level, when level over the 25KHz deviation, the “25” icon will on, when level over the 50KHz deviation, the “25”, “50” icons will on, when level over the 75KHz deviation, the “25”, “50”, “75” icons will turn on at same time (see LCD display of Fig 3).

Fig 3



(4) Button Lock function: This function is used to lock all the buttons except the [Mute] and [] button

during operating. Hold press [] button for 3 seconds to turn on this function, then LCD “” icon will on (see LCD display of Fig 4). Press and hold the [] button for 3 seconds again, it will turn off

this function & “” icon disappear.

Fig 4



(5) **Transmit Channel setting:** At operating mode, press the [] or [] button to choose the operating channel (see LCD display of Fig 5), it will turn off transmission about **250ms** during the switching.

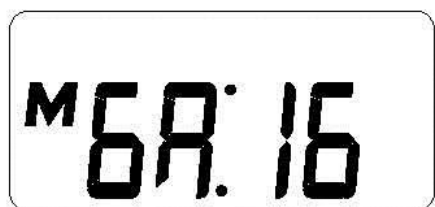
Fig 5



(6) **Standard Mode Pre-Setting:** Hold press the [Menu] button 3 seconds into the setting mode (see LCD display of Fig 6, the “6A” icon means “gain” which be flashing before adjust), there are 2 function’s parameter (Major Volume & AUX) to set in this mode.

(6.1) Major Volume: Press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is “16”, short press the [] (Menu)] button to store & go to the next setting (AUX Volume).

Fig 6



(6.2) AUX Volume: The Fig 7 is LCD display of this mode, the LCD icon “6A” will be flashing before adjust, press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is “16”, short press the [Menu] button to store & go to the next setting (Advance Setting).

Fig 7



(7) Advance Function: The user doesn't modify the "Advance Setting" usually, so it needs to re-confirm before modification. In "AUX Volume" mode, press the [Menu] button will go to the "Advance Setting" mode, (see LCD display of Fig 8), the display will be flashing in the beginning. Press the [] or [>] button to choose "No" (Fig 9) & "YES" (Fig 10), then press the [Menu] to store & go to the **Compress Ration** (1st parameter) setting. There are 4 parameter be able to set in this mode.

Fig 8



Fig 9

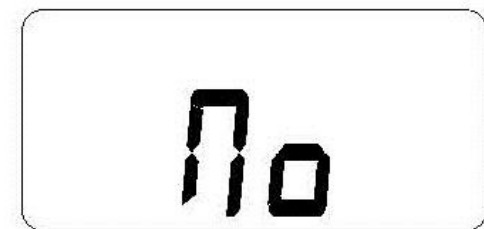
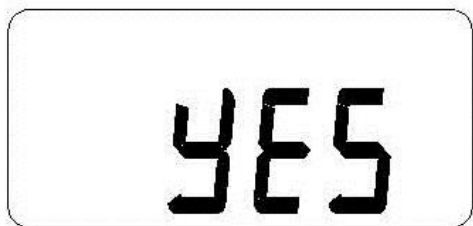


Fig 10



(7.1) Compress Ratio: This function is used to choose the suitable compress ratio for input signal, it may improve the signal to noise ratio to get better performance during operating. The display will be flashing in the beginning, press the [] or [>] button to choose the compression ratio C 1:1 or 2:1. (see Fig 11 & Fig 12), then press [Menu] button to store & go to the next setting, the default setting is "1:1".

Fig 11.

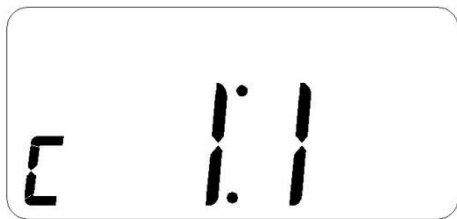


Fig 12.



(7.2) LCD Display mode: There are two different display type ("Channel No." & "Frequency") for the operating channel, the display will be flashing in the beginning, press the [] or [] button to choose (see LCD display of Fig 13 & Fig 14), then press [Menu] button to store & go to the next setting, the default setting is "Channel No".

Fig 13 (Channel No.)



Fig 14 (Frequency)



(7.3) Battery Type Selector mode: There are two different battery type (Re-chargeable Ni-MH-& Alkaline) be able to choose in this mode, the display will be flashing in the beginning, press the [] or [] button to choose (see Fig 13 & Fig 14), then press [Menu] button to store & go to the next setting, the default setting is" rECH".

PS. When user choose the "Alkaline" & plug in charging cradle, the radio will cut off the charging connection automatically, the LCD display will indicate the "Error" (see Fig 17) & the green LED will be flashing to warning it.

Fig 15



Fig 16



Fig 17



(7.4) Reset to default setting: In “Battery Selector” mode, press [Menu] button once to the “cLEAR data” mode (see fig 18)., Press the [] or [] button to choose “YES” (Fig 19) or “No” (Fig 20). In “YES” mode, press the [Menu] will return to the program default channel of the “Standard” mode.

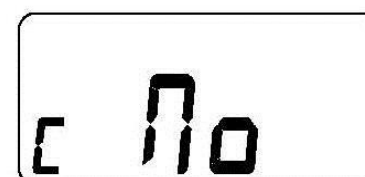
Fig 18



Fig 19



Fig 20



Noted:

- (a) When user press any button, the LCD backlight will turn on automatically, it will turn off after 5 seconds if don't press button.
- (b) In "Standard Band Presetting" mode, if don't press button more than 10 seconds, it will go back to the previous channel w/o store the setting. If press the [Menu] button 3 seconds, it will store the setting & go back to the "Standard Band" mode.
- (c) When radio turn off, it will store the operating band.
- (d) The "Batter Type Selector" is not in the "Reset" list

Preset Band: At power off mode, hold press the "  " & "  " button 10 seconds to the "Band selector" mode. There are two bands ("Standard" & "Preset") in this system, the operating band will be switching automatically. The "Preset" band has two preset channel ("P1" & "P2"). At "Standard" band mode, turn off the power, then hold press the "  " & "  " button 10 seconds will go to the "Preset" band mode (see LCD display Fig 21), press [] or [] button to choose "YES" (or "No"), choose "YES" & press "  " button to the P1/P2 select mode, LCD display "P1" (see Fig 22), then press "  " button to choose P1 channel setting mode (see LCD display Fig 23).

(1) P1 Channel Setting: Hold press "  " button 3 seconds to the channel modify mode the LCD display be flashing, press [] or [] button to choose the preset channel, then press "  " button to store & go to the next setting.

Fig 21



Fig 22

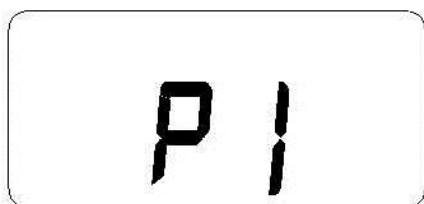


Fig 23



(1.1) P1 Major Volume Setting: In this setting mode, the LCD display as Fig 6, the icon "GA" is flashing

before setting, press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is "16", short press the [] button to store & go to the next setting (AUX Volume).

(1.2) P1 AUX Volume Setting: In this setting mode, the LCD display as Fig 7, the icon "GA" is flashing

before setting, press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is "16", short press the [Menu] button to store & go to the next setting (Advance Setting).

(1.3) P1 Advance Function: In this setting mode, the LCD display as Fig 8, the display icon "AdSET" will

be flashing in the beginning. Press the [] or [] button to choose "No" (Fig 9) & or "YES" (Fig 10), then press the [Menu] to store exit or & go to the Compress Ratio (1st parameter) setting. There are 4 parameter be able to set in this mode.

(1.4.1) Compress Ratio: This function is used to choose the suitable compress ratio for input signal, it may improve the signal to noise ratio to get better performance during operating. The display will be

flashing in the beginning, press the [] or [] button to choose the compression ratio C 1:1 or 2:1. (see Fig 11 & Fig 12), then press [Menu] button to store & go to the next setting, the default setting is "1:1".

(1.4.2) LCD Display mode: There are two different display type ("Channel No." & "Frequency") for the

operating channel, the display will be flashing in the beginning, press the [] or [] button to choose (see LCD display of Fig 13 & Fig 14), then press [Menu] button to store & go to the next setting, the default setting is "Channel No".

(1.4.3) Battery Type Selector mode: There are two different battery ("AA" type of Re-chargeable & Alkaline) be able to choose in this mode, the display will be flashing in the beginning, press the

[] or [] button to choose (see Fig 13 & Fig 14), then press [Menu] button to store & go to the next setting, the default setting is" rECH"(Re-chargeable battery).

Noted: The "Batter Type Selector" is not in the "Reset" list

(1.4.4) Reset to default setting: In "Battery Selector" mode, press [Menu] button once to the "cLEAR

data" mode (see fig 18)., Press the [] or [] button to choose "YES" (Fig 19) or "No" (Fig 20). In "YES" mode, press the [Menu] will return to the program default channel of the "Standard" mode.

Noted: (1) In "Preset Band Presetting" mode, if don't press button more than 10 seconds, it will go back to the previous channel w/o store the setting. If press the [Menu] button 3 seconds, it will store the setting & go back to the "Standard Band" mode.

(2) All “Advance” function setting would be used both “Standard’ & “Preset (P1 & P2)” band.

(2) P2 Preset: At standard mode & power off status, hold press the “” & “” button 10 seconds to the “P1/P2” selector mode (see LCD display Fig 20), press [] or [] button to choose “YES” (or “No”), Press “” button to the LCD display “P1”, press [] or [] button to choose “P2” then press “” button to the P2 channel setting mode (see LCD display Fig 24).

(2.1) P2 Channel Setting: Hold press “” button 3 seconds to the channel modify mode the LCD display be flashing (see Fig 25), press [] or [] button to choose the preset channel, then press “” button to store & go to the next setting.



Fig 25



(2.2) Major Volume Setting: In this setting mode, the LCD display as Fig 6, the icon “GA” is flashing before setting, press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is “16”, short press the [] button to store & go to the next setting (AUX Volume).

(2.3) P1 AUX Volume Setting: In this setting mode, the LCD display as Fig 7, **lay be flashing**, the icon “GA” is flashing before setting, press the [] or [] button to increase or decrease the Volume level, there are 32 setting levels, the default level is “16”, short press the [Menu] button to store & go back to the P2 channel setting.

(3) Change to “Standard Band: At “Preset” band, if you would like to choose “Standard” band, you have to turn off the power, hold press the “” & “” button 10 seconds, the LCD display

“StAN” (see Fig 26), press [] or [] button to choose “YES”, then press “  ” button to confirm & go back to standard band.

Fig 26



FCC Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

ISED/C RSS warning

This device complies with ISED/C 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.

Le présent appareil est conforme aux CNR ISED/C applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*