Technaxx® * User Manual

DAB+ Internet Stereo System TX-178

Before using the appliance for the first time, please read the instructions for use and safety information carefully.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capacities, or by persons lacking in experience or knowledge, unless they are supervised or instructed on the use of this device by a person responsible for their safety. Children should be supervised to ensure they do not play with this device.

Keep this user manual for future reference or product sharing carefully. Do the same with the original accessories for this product. In case of warranty, please contact the dealer or the store where you bought this product.

*Enjoy your product. * Share your experience and opinion on one of the well-known internet portals.*

Table of Contents

Hints

● Make sure you lay the cable in a way that the danger of stumbling is avoided. ● Never hold or carry the device by the power cable. ● Do not clamp or damage the power cable. ● Ensure that the power adapter do not come into contact with water, steam or other liquids. ● You have to check the complete construction at regular intervals for functionality, tightness and damage to prevent the defect of the device. ● Only use the product for purposes due to its intended function & only for household use. ● Do not damage the product. Following cases may damage the product: Incorrect voltage, accidents (including liquid or moisture), misuse or abuse of the product, faulty or improper installation, mains supply problems including power spikes or lightning damage, infestation by insects, tampering or modification of the product by persons other than authorized service personnel, exposure to abnormally corrosive materials, insertion of foreign objects into the unit, used with accessories not preapproved. ● Refer to and heed all warnings and precautions in the user manual.

Safety instructions

● Never touch the device with wet or damp hands.
● The device can only be operated with the voltage described on the rear panel and on the power supply unit.
● Do not position this device near moisture or water.
● Do not place the device on an unstable surface. The unit could be damaged or persons could be injured. Any attachments should be made only in accordance with the manufacturer's instructions or obtained from the manufacturer.
● The cable is sheathed and insulates the current. Do not place any objects on the cable, as this could cause the protective function to be lost. Avoid placing excessive stress on the cable, especially at sockets and plugs.
● If you want to pull the plug out of the socket, always pull on the plug and not on the cable. The cable could otherwise break.
● To protect the unit during a lightning storm or when it is left unattended for long periods of time: unplug it from the wall outlet. This will prevent damage due to lightning strikes.
● Do not overload wall outlets, extension cords, or other wiring as this may result in fire or electric shock.
● Do not insert any objects into the openings of the unit, as current flows in some places and contact may cause fire or electric shock.
● Unplug the power cord from the wall outlet for cleaning.
● Do not use liquid cleaners or cleaning sprays. The device may only be cleaned with a damp cloth.

● Do not connect any additional devices that are not recommended by the manufacturer.

● The openings of the housing are used for ventilation so that the device does not overheat. These must always be kept free.

Warnings

● Do not disassemble the TX-178, it may result in short-circuit or damage.

● Battery warning: Improper use of the battery may cause fire or chemical burns. The battery may explode in case of damage. ● When the device works under AUX–IN mode, do not (!) increase the volume of your mobile phone, PC, MP3/MP4 Player, CD, DVD etc. to a large extend; a sonic boom or sound distortion may occur. In that case, decrease volume either of mobile phone, PC, MP3/MP4 Player, CD, DVD or device. The sound gets normal soon. ● Do not modify, repair or remove without professional guidance. ● Do not use corrosive or volatile liquid for cleaning. ● Do not drop or shake the TX-178, it may break internal circuit boards or mechanics. ● Keep the TX-178 in dry and ventilated environment. Avoid high humidity and high temperature. ● This TX-178 is not water-resistant; keep it away from moisture. ● Keep the device away from little children.

Features

- Powerful receiver: Internet, DAB+ and FM radio tuner for maximum program diversity
- Full power: powerful stereo sound thanks to an output of 20 watts max. (2x 10W RMS)
- Wireless & convenient: Bluetooth V5.0 function for wireless streaming from smartphone or tablet
- CD Player for playback of vintage CDs (MP3, CD-R, CD-RW)
- Everything in view: clear 2.4" (6cm) illuminated TFT color display
- In & Out: connection of additional audio devices via AUX input, line output and USB port (for up to 32GB USB disk)
- Easy operation: smooth multifunctional controller or remote control for convenient use
- Stylish: elegant look in a high-quality housing
- DAB+ & FM telescopic antenna built in
- Clock, Timer & Alarm function
- Streaming via UPnP standard

Product overview

Front view
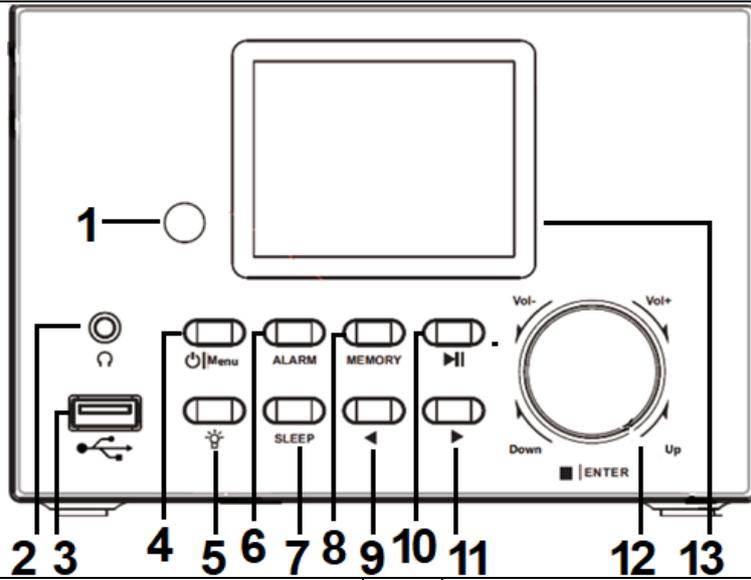
1	Remote Control Receiver	8	Memory Button
2	Headphone Jack (line out)	9	Left Button
3	USB Port for Playback	10	Pause/Play Button
4	Power and Menu Button	11	Right Button
5	Dimmer Button	12	Rotate knob: Volume / UP / Down
6	ALARM Button		Press knob: Enter / Stop
7	Sleep Button	13	LCD Display 2.4" (6cm)

Rear view
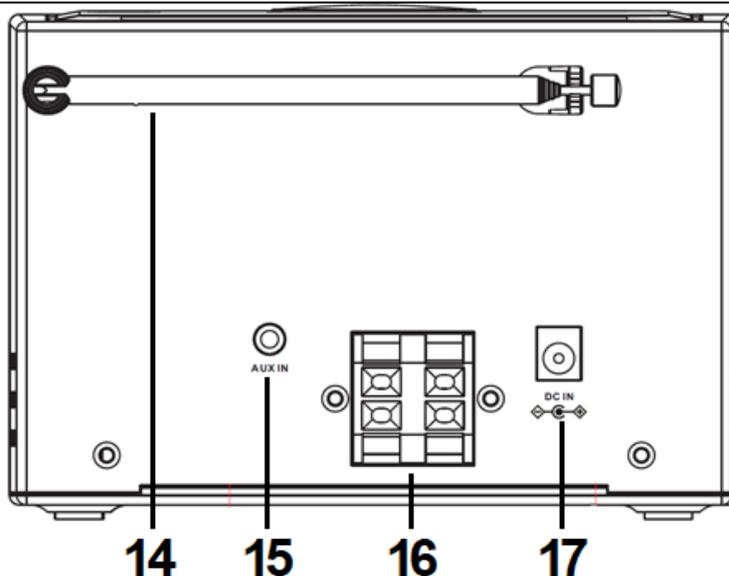
14	Telescopic Antenna	16	R/L speaker output (6ohm)
15	Aux In	17	DC IN (12V/2.5A)

Remote control

1	⏻ Standby / Power button	
2	⌀ Mute ON/OFF	
3	**Menu** - Main menu	
4	**Preset** - saved stations, favorites, etc.	
5	**Scan** - DAB/FM scan	
6	**EQ** - Set tone	
7	⏮ Go back one track	
8	⏯ Play/Pause	
9	⏭ Go forward one track	
10	⏹ Stop play button	
11	☁ Weather button	
12	⏰ Alarm Button	

13	▲ Up cursor button	14	◄ Left cursor button
15	**Enter** - Confirm selection	16	► Right Cursor button
17	▼ Down cursor button	18	**V-** Decrease volume
19	**V+** Increase volume	20	**0.....9** Call up favorites / Memory; input letters and numbers
21	☀ Dimmer	22	z^{zz} Sleep

Display symbols

|		
⟳ Connection is being established, device functioning	⎙ No wireless connection	📶 Wireless connection established
⩘ FM radio reception: Mono	(•) FM radio reception: Stereo	📻 FM radio function select
🎧 AUX function select	🔇 Speaker off	🔍 Search
⏰ Alarm on	📁 Internet radio station saved as preset	💾 FM radio station saved

Before the start

For the use of Internet Radio the following requirements are needed:

1. WiFi router with connection to the Internet
2. WiFi router needs to support 2.4GHz transmission and WiFi (802.11b/g/n) standard.

Battery installation (remote control):

1. Press the tab on the battery door and lift it off.
2. Install two (2) x AAA size batteries into the battery compartment as the figure on right and the polarity markings inside battery compartment.
3. Replace the battery door.
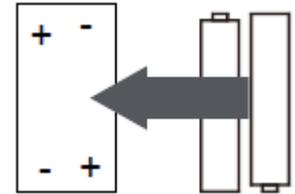
Battery Precautions

Follow these precautions when using a battery in this device:
● Use only the size and type of battery specified. ● Be sure to follow the correct polarity when installing the battery as indicated in the battery compartment (manufacturer's directions). A reversed battery may cause damage to the device. ● Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones. ● If the batteries in the device are consumed or the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage. ● Do not try to recharge the battery not intended to be recharged; it can overheat and rupture. ● Do not dispose of battery in fire. Battery may explode or leak. ● Clean the battery contacts and also those of the device prior to battery installation.
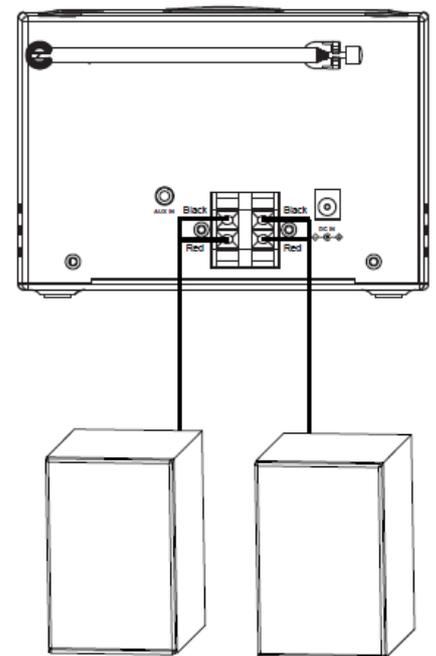
Speaker connection:

The speaker on the **LEFT** is connected to the **L Jack** (16) on the back of TX-178.
1. Connect red cable of speaker to the red jack.
2. Connect black cable of speaker to the black jack.

The speaker on the **RIGHT** is connected to the **R Jack** (16) on the back of TX-178.
1. Connect red cable of speaker to the red jack.
2. Connect black cable of speaker to the black jack.

7

CD compartment:

Remove the paper protection Disk from the CD compartment before inserting a CD. Not removing the paper protection disk causes playback issues. **Caution:** Not removing the paper protection disk might could cause fire! Remove it before use!

First start

Set language, confirm the privacy policy for My mediaU and get the network ready.

Note: WiFi allows date transfer over short distances within 20 meters without the need of cabling between the devices, any walls or ceilings may reduce the strength of the WiFi connectivity.

1. Plug in the power adapter to the back of the TX-178 and the other end to a power socket. The TX-178 powers on and starts up.

2. Choose the language to operate the TX-178 in. By either rotating the knob (12) on the TX-178 and pressing it (Enter) after finding the correct language. Or use the arrows up (13) or down (17) on the remote to choose the language and confirm it by pressing Enter (15).

3. Configure the WiFi network

**3.1** Enable "Check network when power on"? press Yes. This causes the device to check for the WiFi network every time the TX-178 is powered on and automatically connects with the available saved network.
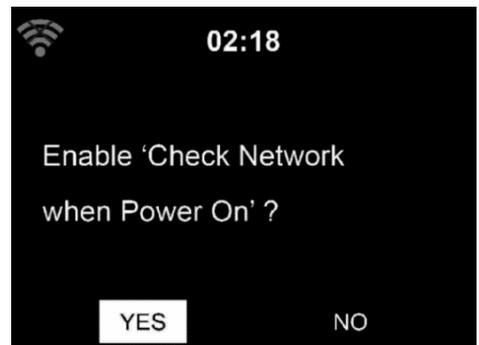
3.2 Would you like to configure the network now?
- Select Yes to establish connection to the network manually.
- Select Yes(WPS) (Only for WPS routers).Then press the WPS button on your router.
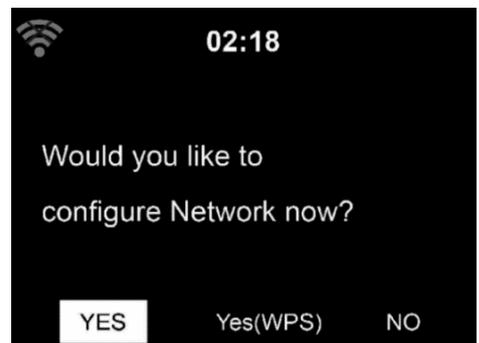
3.3 If you answer 'Yes', the display goes to scanning for WiFi Network and shortly afterwards a list of available WiFi networks will appear.
Select your network and confirm with Enter. If your WiFi is password-protected, you will be prompted to enter your password.
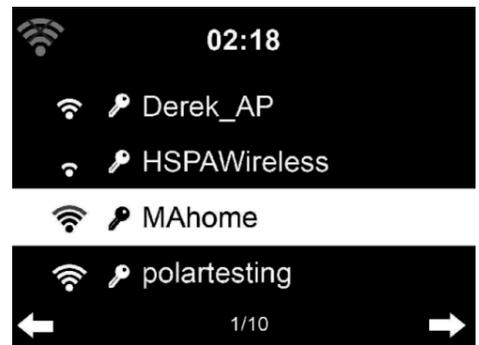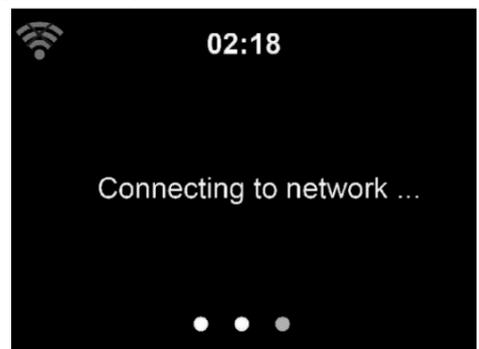
Note: ●The number of bars in the wireless symbol in front the network name(SSID) shows the relative signal strength of the network. ●The key symbol indicates that the network is password-protected. ●If the TX-178 does not find any WiFi networks and "No wireless Networks found" appears on the display, change the position of the TX-178 if necessary and check your WiFi router. Search again for WiFi afterwards.

3.4 Enter the password using the buttons on the TX-178 or the numbers and letters of the remote control.
Note: The password is case-sensitive.
- You can change the character by rotating the knob (15) and enter the WiFi password. Once you are on the letter you want, press ▶ (11) to move to the next entry. You may press ◀ (9) to move to previous entry. Press the knob (15) to enter and save the password.
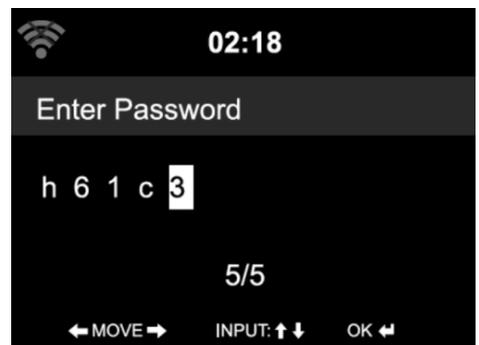- You can use the remote control as well.
◀ Go to previous entry space, entry can be overwritten
▶ Go to next entry space, the last entry is saved
▲▼ Select number/letter
Enter Confirm entire entry

9
Model: TX-178 Article No. 4973, 01/2022

It may take a few seconds to establish the connection to the network.
Once the connection is established, the main menu appears with the main menu items:

→ Internet Radio: Access to worldwide radio stations
→ USB: Playback your audio files saved on USB disk
→ FM: Listen to your local analog radio stations
→ DAB/DAB+: Listen to your local digital radio stations
→ CD: Playback music from your vintage CDs
→ AUX: Playback music from external sources
→ Bluetooth: Playback music from your Smartphone or Tablet
→ Configuration: Various system settings

Press the ⏻ button to enter standby mode. The time, date and any active alarm times display on the screen.

Main Menu (Modes)

Switch through the modes by rotating the knob (12) or press the arrow buttons (14, 16) on the remote control. Press the knob (12) or the Enter button (15) on the remote to open the mode. To navigate through the mode's submenu, use the knob (12) and the arrows (9, 11) or the arrow buttons (13, 14, 16, 17) on the remote as well es the Enter button (15).
Use the Menu button (4) on the device or the Menu button (3) on the remote to get back to the Main Menu, where you can choose between the different modes.

Internet Radio
Choose Internet Radio mode from the main menu and confirm with Enter.
My Favorite:
List of my favorite preset stations.
During the station playing screen, press and hold **Preset** (4) or **Memory** (8) to add it. Press enter button (15) or the knob (12) to save the station as my favorite. The 📻 symbol appears in the top line of the display while the device is saving.
If the selected station has been saved, you cannot save it again.

The saved stations are shown under this menu. You may also press Preset or Memory to enter the saved station list.

Under the preset station list, move to your station, press Enter to listen, You may also press ▶ to enter its submenu to **Delete** (deletes a radio station from the favorites list), **Shift Up/down** along the list, **Rename** (you can give the radio station a name of your choice), or **Play**.

Press **PRESET**, then rotate the **KNOB** on the device or using the ▲ or ▼ of remote control to recall the saved station.
250 storage spaces are available for your favorites.

Radio Station (Choose):
Stations are categorized into **Global Top 20, Genre, Country/Location** and **Highlight.**
Press Enter to continue the subcategories and choose the station to listen.

For each station, press **Enter** to play directly. You may press ▶ to enter its submenu – you can **Add to Favorite, Auto Scan,** or **Play**.
When you choose **Auto Scan**, every radio station in the chosen subcategory will be play backed for about 15 seconds before it moves to the next one until all have played. Or your press Enter to stop the Auto Scan function.

Sleep Radio:
A list of different preinstalled radio stations that play calming sounds to get you to sleep or calm down. Choose one of them with the knob (12) and press enter (12). Or use the arrow buttons (13, 17) and the Enter button (15) on the remote to choose.

History:

A list of last listened stations. It can save up to 10 history stations.

For each station, press **Enter** to play directly. You may press ▶ to enter its submenu – you can **Add to Favorite, Auto Scan,** or **Play**.

When you choose **Auto Scan**, every radio station in the chosen subcategory will be play backed for about 15 seconds before it moves to the next one until all have played. Or your press Enter to stop the Auto Scan function.

Service:

Search radio station- Enter your keyword to search radio station from the list.

Add new radio station – The added stations will be stored in My Favorite.

Note that the maximum character of the station name is 250.

USB

Choose USB mode from the main menu and confirm with Enter.

Plug in a USB flash drive with max. 32GB (formatted in FAT32). Switch to USB mode. Now you can play the tracks one by one.

NOTE: If a folder is selected, only the tracks in that folder will be played.

Turn the Knob (12) on the unit or press the ▲or ▼button on the remote control to select the folder in USB flash drive. Press the ENTER button on the device and remote control to play the desired file.

During playing:

Press the ▶II button to Pause/Play

Press the ◀◀ ▶▶button to skip track back and forth

Press the ◀button to return back to current playing file list

Under Configuration → Playback Setup you can switch between Off, Repeat all, Repeat one or Shuffle

NOTE: Supported audio files are MP3 & WMA only

FM

Choose FM mode from the main menu and confirm with Enter. FM radio mode receives analogue radio from the FM band.

For better reception, remove the telescopic antenna (14) from the holder on the back of the device and pull it out completely.

Let the system scan for ALL station by pressing ENTER on the device or remote or press and hold SCAN (5) on the remote control. Confirm with Yes if you want to auto scan for FM stations by pressing Enter (12) or Enter (15) on the remote. The searched stations will automatically be stored in preset station list. To switch between the stored stations press the ◄◄/►► buttons.
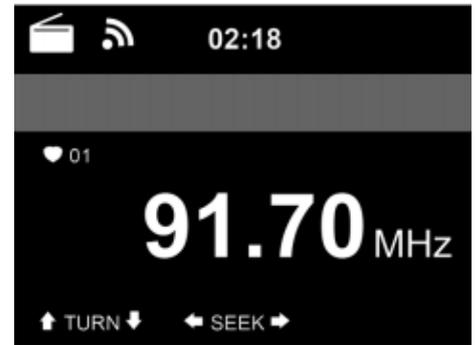
Alternatively, you can set the FM radio stations manually. Press ◄or► button on the device or using the ◄or► button of remote control to search FM station. Each step moves 0.05MHz.

It is faster to find a FM radio station by pressing and holding ◄or► button on the device or using the ◄or► button of remote control to auto search the next FM station or just press SCAN (5) on the remote control. The frequency display starts to run up as TX-178 scans the FM band. It stops when it has received a station. You may press ◄or► on device or remote control to tune station manually.

Press and hold the PRESET (4) button on the remote control or the MEMORY (8) button on the device to save the station.

You can save up to 20 station. Press PRESET, then press ▲or ▼ on the remote control or press MEMORY button on the device to recall the saved station. Rotate the Knob (12) to choose the desired radio station.
In the Preset list you can change the order of the saved FM radio stations. Use the ► on device or remote control to Shift up or down the position.

DAB/DAB+

Choose DAB/DAB+ mode from the main menu and confirm with Enter. DAB/DAB+ radio mode receives digital radio from the DAB+ band.

For better reception, remove the telescopic antenna (14) from the holder on the back of the device and pull it out completely.

The display will show DAB in the top left corner. First time entering the mode the device will automatically scan for DAB+ radio stations. After the scan has finished the radio stations are saved.
NOTE: The order of the found radio stations cannot be changed. You can only add your desired radio stations to the preset list for faster access.

To listen to the stored DAB+ radio stations, use either the Knob (12) on the device or either ▲or ▼buttons on the remote control to cycle through the stations. When you reach the desired station press the ENTER button on the remote control or the Knob (12) on the device to begin playback of that station.

DAB quick scan:
Press the Scan button (5) on the remote control to start the scan. You are asked "Delete station list?" Answer with yes if you want the current list to be replaced, answer with No if you want to just want to scan for additional or new radio stations and answer with ESC if you want to cancel the quick scan. Choosing Yes or No causes the scan to start.
NOTE: If you are playing a radio station from the preset list you are not able to use the scan function by pressing the Scan button (5) on the remote. You need to use the ◀button until in the left bottom corner you see Scan.

Preset Recall:
Press and hold the PRESET button on the remote control or the MEMORY button on the device to save the station. The ▨ symbol appears in the top line of the display while the device is saving. Confirm the save with the Enter button. You can save up to 20 stations. Press PRESET, then press ▲or ▼on the remote control or press MEMORY button on the device and use the Knob (12) to recall a saved station.

CD

Remove the paper protection Disk from the CD compartment before inserting a CD. Not removing the paper protection disk causes playback issues. **Caution:** Not removing the paper protection disk might could cause fire! Remove it before use!

Open the CD door by pressing on the corner which is marked with "OPEN". Insert a CD disc into the CD compartment. Slightly press the CD down in the middle to fix it. Close the CD door.
Choose CD mode from the main menu and confirm with Enter. The TX-178 automatically starts reading the inserted CD. IF the CD has the correct format the TX-178 starts the playback of the CD.

CD operation:
Press ▶❙ button on device or the remote control to start play.
Press ▶❙ button on device or on the remote control to pause.
Press ■ button on the device (12) or on the remote control to stop play.
Press ▲ or ⏮/⏭ or ▼ button on the remote to skip backward or forward to the desired track.
Rotate the Knob (12) on the device or press **V-** or **V+** button on the remote control to turn the volume down or up.

AUX

Choose AUX mode from the main menu and confirm with Enter. To adjust the volume, rotate the Knob (12) and volume buttons on the external device and on the TX-178.
You can play music directly from a device connected via an AUX cable. Plug one end of 3.5mm AUX–IN cable into AUX–IN connector (15) and the other end into AUX-OUT (Headphone jack) connector of MP3 Player, Smartphone, PC or CD player to listen to music.
NOTE: Under AUX mode, only vol–/vol+ work. By pressing Mute button (2) on the remote you can mute the TX-178 but the song plays along, because it is coming from an external device. Switch songs on the external device in AUX-mode.

Bluetooth
Choose Bluetooth mode from the Main menu and confirm with Enter.
Make sure that no other Bluetooth device is connected to the radio. "Bluetooth Disconnected" will appear on the display.
Activate Bluetooth mode on the device that you want to connect. Look for The radio on the list of detected devices on the Bluetooth device (refer to the instruction manual of the device). Once the devices have found each other, the radio will appear as "**Technaxx TX-178**" on the Bluetooth device. Select **Technaxx TX-178** from the list. If you are required to enter a PIN code, enter 0000 (four zeros). Certain devices may also require you to approve the connection.
Once the connection has been successful, "Bluetooth Connected" will appear on the display of the radio. Start playback on your Bluetooth device. Control the playback from the Bluetooth device or from the TX-178 using the Vol+/Vol- on the TX-178 and remote control. Adjust the volume both on the Bluetooth device and the TX-178.
NOTE: Activate the Bluetooth feature on the phone and set the phone to search for Bluetooth devices. Check the user guide of your phone for instructions.

Auto reconnection:
When the TX-178 is in off state, switch it on and it will reconnect automatically to the last connected device if it is reachable.

Further modes that could be enabled
You can enable the following modes to be seen in the Main menu by going to Configuration→ Menu. Here you find the below disabled modes.

Local Radio
There is a shortcut Local Radio so that you can easily go to the station list of your location.
The device can use the IP address to detect its current location and can then automatically generate a list of local radio stations. However, you can also enter a different country.

Sleep Radio

A list of different preinstalled radio stations that play calming sounds to get you to sleep or calm down. Choose one of them with the knob (12) and press enter (12). Or use the arrow buttons (13, 17) and the Enter button (15) on the remote to choose.

Podcast

Under Podcast you can check for podcasts you like and play them back directly from the TX-178 without connecting a Smartphone.

Following options you find as submenu: My Favorite, Country/Location, Genre, History and Search

My Favorite: Here you can save your favorite episodes of the podcast.

NOTE: It is not possible to save your podcast artist as favorite!

Country/Location: Podcasts are sorted by Country.

Genre: Podcasts are sorted by Genre.

History: Find the last heard podcasts.

Search: Here you can download the free App AirMusic, by scanning the QR-code from the display. With that App you can use your Smartphone as remote for the TX-178 when TX-178 and Smartphone with installed App are in the same network.

UPnP

If you have set up shared media, you should see the shared media form **UPnP**.

If you have more than one computer sharing media, the alternatives are listed. SELECT the shared media you want to play. After that chose the desired folder with the music files and start playback.

NOTE: Videos or pictures cannot be shown on the TX-178.

NOTE: If you are not able to see your shared media folder on the TX-178 UPnP mode, check whether media streaming is enabled under Windows. Therefor go to: "Control Panel\Network and Internet\Network and Sharing Center\Media Streaming Options" Or search under Windows for "Media Streaming Options"

NOTE: The radio can only read the track with the file name less than 40 characters. And the characters should be in European language. If you

encounter failure of reading the track under UPnP mode, you may try to rename the file.
However, if the track is still unable to play, you can try converting the file to MP3 or WMA format.

Media Center
The Media Center mode combines the Podcast, USB and UPnP modes to have less shortcuts in the Main menu. To get information for each mode go through the manual and check each point.

Timer
Set a timer by using the arrow buttons on the device or the remote. Start the set timer by pressing Enter button. Stop the timer by pressing Enter. Stop the alarm by pressing any key on remote or device.
Maximal timer setting is 99:59min, minimal timer is 00:01min

Alarm
Alarm1: Set the Alarm on/off. After that set Repeat (Everyday, Once, Mon, Tue, Wed, Thu, Fri, Sat, Sun), Time (HH:MM) and Sound (Beep, Melody, Internet Radio, FM, DAB/DAB+, USB, CD).
Alarm2: Set the Alarm on/off. After that set Repeat (Everyday, Once, Mon, Tue, Wed, Thu, Fri, Sat, Sun), Time (HH:MM) and Sound (Beep, Melody, Internet Radio, FM, DAB/DAB+, USB, CD).
NAP Alarm: Set a time between 5-120min to automatically set the TX-178 into standby mode. To stop the alarm press Enter to Snooze it for further 5minutes or press the ⏻ button to turn the alarm off.
Alarm Volume: Set the volume of the used alarm sound between 5 and 30.

Configuration

Set up and configure the device.

Time Display

Enter the setting to choose Analog or Digital clock for standby display. Choosing digital, set the color of the digital clock numbers as well. Confirm your choice by pressing Enter.

Network
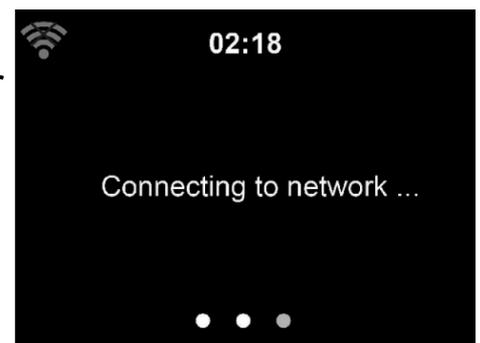
Wireless Network Configuration:
Enable / disable WiFi network.
When you enable the WiFi network, the system will automatically scan for WiFi networks in the range of the TX-178.
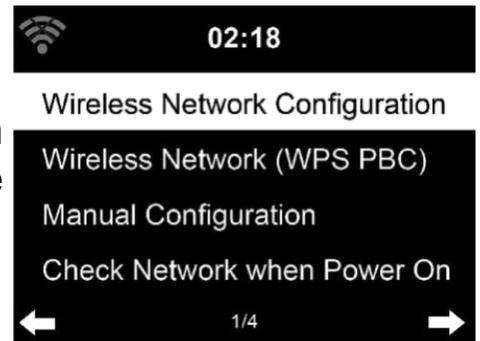
Select your required WiFi router.
You may refer to the chapter First start, for detailed network setting.

Wireless Network (WPS PBC):
If you are using a router with WPS/QSS button, you may set up the network connection simple via WPS function. Enable the connection by entering the setting. After that press the WPS/QSS button on your router within 120seconds. The connection between the router and TX-178 will then be configured automatically.
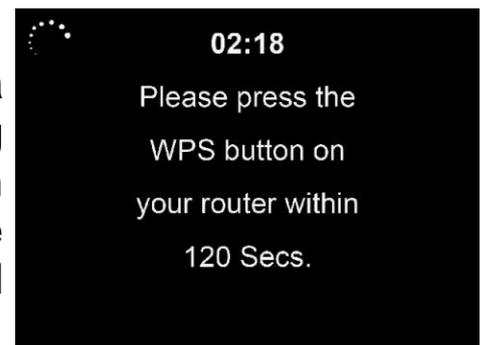
Manual Configuration:
Set the wireless configuration manually. You can choose DHPC (IP assigned automatically) or manually input IP address for wireless network connection.
After that set the SSID choose the encryption code to connect the WIFI.
If the wireless network connection is not existed or failed, the icon at the top left corner will have a cross on it.

19

<u>Check Network when Power On:</u>
Enable / disable WiFi network.
When you enable the WiFi network, the system will automatically search the available WiFi-Router. Select you required WiFi-Router.

<u>Setup PIN for APP:</u>
Enable the PIN for App to secure the access to the TX-178. The App asks you to enter the shown PIN shown on the TX-178. When the function is disabled everyone with the App in the same WiFi network can control the TX-178.
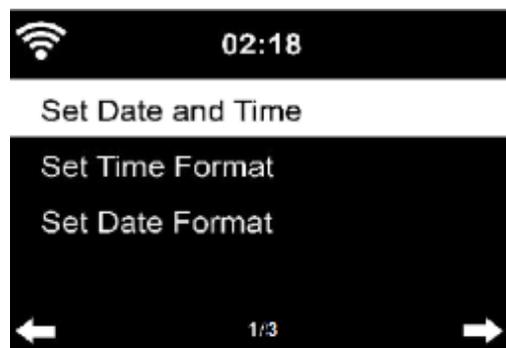
Date & Time
The date and time settings can only be made if the Internet radio is connected to a wireless network.
<u>Set date and time:</u>
Manual Setup: Enter the time and date by using the Knob (12) and ◄ or ► buttons on the device or use the arrow buttons on the remote. Confirm the settings with Enter.
Auto Detect: The internet radio takes the date and time automatically from a central server once a network connection has been established.
NOTE: you will need to change the time manually to account for the change from winter time to summer time.
<u>Set time format:</u> Display as 12 Hour or 24 Hour
<u>Set date format:</u> In the positions of YYYY (year), MM (month) and DD (day)- YYYY/MM/DD, DD/MM/YYYY or MM/DD/YYYY.

Alarm
There are three independent alarms – 2 alarms of absolute time setting (Alarm 1 and Alarm 2) and 1 alarm for relative time setting (NAP Alarm).

Alarm1: Set the Alarm on/off. After that set Repeat (Everyday, Once, Mon, Tue, Wed, Thu, Fri, Sat, Sun), Time (HH:MM) and Sound (Beep, Melody, Internet Radio, FM; DAB/DAB+, USB, CD).

Alarm2: Set the Alarm on/off. After that set Repeat (Everyday, Once, Mon, Tue, Wed, Thu, Fri, Sat, Sun), Time (HH:MM) and Sound (Beep, Melody, Internet Radio, FM; DAB/DAB+, USB, CD).

During alarm, press ⏻ button to stop the alarm, Press the any button on the device or the remote to enter snooze mode. It will alarm again in 5 minutes.

NOTE: The alarm source is from the favorite internet radio stations if Alarm Sound is set to be Internet Radio/FM/DAB. It Can only set one same IR/DAB/FM station for Alarm 1 and Alarm 2. When it reaches the alarm time, if set the alarm source is internet Radio, the unit connects to the internet if the set network is available. Therefore, there may be some delay from the alarm to the radio play. If no network is connection in one minute, the alarm will change to melody automatically.

NAP Alarm: Set a time between 5-120min to automatically set the TX-178 into standby mode. To stop the alarm press Enter to Snooze it for further 5minutes or press the ⏻ button to turn the alarm off.

Alarm Volume: Set the volume of the used alarm sound between 5 and 30.

NOTE: When the alarm(s) is /are set, there will be a clock icon at the bottom of the display. The clock icon with alarm time will also clearly display on the standby mode screen.

Timer
Set a timer by using the arrow buttons on the device or the remote. Start the set timer by pressing Enter button. Stop the timer by pressing Enter. Stop the alarm by pressing any key on remote or device.
Maximal timer setting is 99:59min, minimal timer is 00:01min

21

Scheduled playing
Set on/off. When you set on you can set:
- Repeat: Choose Everyday, Once, Mon, Tue, Wed, Thu, Fri, Sat, Sun
- Time: Set start time (left) and end time(right)
- Sound: Choose the mode Internet Radio, FM or DAB/DAB+. Then choose a radio station from your favorites/presets that will be played.

Language
Select the OSD language: English /German/ Spanish /French /Portuguese /Dutch /Italian /Russian /Swedish /Norwegian /Danish / Hungarian/ Czech/ Slovakian /Polish /Turkish /Finnish /Greek

Dimmer
Configure the brightness of backlight on the display.
Select "**Power Saving**" to set the brightness of backlight in standby mode and select "**Turn On**" to set that in operation mode.

Display
Set the display to Color display or Monochrome display. The symbols of the modes are displayed accordingly.

Power Management
Configure to go to standby mode automatically during in the menu or/and without WiFi signal.
Choose the power management timer (5/15/30mins) to set the duration of the radio to switch standby mode automatically when you are not controlling it.
Choose "Turn Off" to ignore the power management function.

Sleep Timer

Turn off or set the sleep time of 15/30/60/90/120/150/180 minutes. Once the time is set, there will be a bed icon with remaining minutes at the top right comer and TX-178 will turn to standby then.
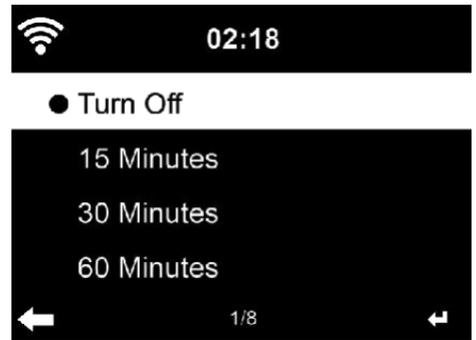
Weather

TX-178 is able to display the current weather information under standby mode. First set your location or the location where the TX-178 is placed. Use the Knob (12) and the remote to navigate through the menu. Confirm the points one by one using Enter on the device or the remote. Set Temperature Unit (°C or °F) and turn on Show in Standby to get the weather displayed at the standby mode.
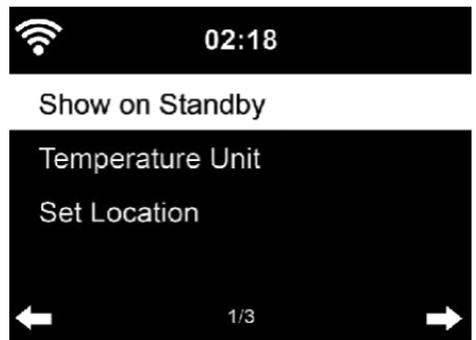
When it is turned on, the current time and the current weather will display in alternating 10 seconds.

DAB/FM Setup

FM Mode: Set preferred setting for FM playback Mono or Stereo.

FM Sensitivity: Set which FM radio stations should be found while auto search; Strong (less stations but good quality), default (all stations found) or weak (many stations but a lot will swoosh).

DAB Sensitivity: Set which DAB+ radio stations should be found while Quick scan; Strong (less stations but good quality), default (all stations found) or weak (many stations but a lot will swoosh).

Service following (FM/WiFi): Set which location the FM/WiFi radio stations uses.

Service following (DAB/WiFi): Set which location the DAB/WiFi radio stations uses.

Local Radio Setup

Set the location on which the Internet Radio stations are based on:
Auto Detect (Country), Manual Setup (Country), Manual Setup (State), Manual Setup (City), Manual Setup (US Zip Code).

Playback Setup

Select the playback mode of USB, CD and UPnP – Off (no repeat or shuffle), Repeat all, Repeat one, or Shuffle.
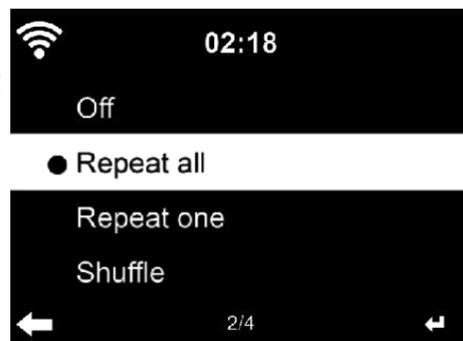
Menu

Here you can set the short cuts that show in the Main Menu. By default the following shortcuts are set: Internet Radio, USB, FM, DAB/DAB+, CD, AUX, Bluetooth.

Equalizer

Default equalizer is Normal. You may change to Flat, Jazz, Rock, Soundtrack, Classical, Pop, or News. In this setting you can change each equalizer individually or set your own under my EQ. Just press ▶ to enter the setting. With the remote use the arrow buttons and the Enter button to change the settings.
Press EQ on the remote control to swap among the EQ mode for shortcut.

Resume When Power On

By default, the system returns to the main menu when the device is turned on. If you enable this setting, after leaving the standby mode, the system will automatically return to the last used mode that was heard before the device was turned off.

Device

System Information: Information about Version, Radio station and Wireless Info (WiFi connection)
Rename (Technaxx TX-178): Here you can change the name of the device. This will influence the Bluetooth name and the UPnP name in the network.
APP:
Here you can download the free App AirMusic, by scanning the QR-code from the display. With that App you can use your Smartphone as remote

for the TX-178 when TX-178 and Smartphone with installed App are in the same network.

<u>Privacy:</u>

Shows the QR-code of the Privacy Policy of the mediaU company.

Software Update

If there is an updated software version on the server, the system will notify you when you return to the main menu.

Or for future updates via USB-flash drive, please look periodically to our website for software updates: (https://www.technaxx.de/support/) and search for the product name or TX-178.

Reset to Default

Restore the default settings.

After TX-178 is reset, the system will move to Language setting menu. And it will automatically turn to Network setting menu once the OSD language is selected.

Remote Control via App

Air Music Control, let you control the internet radio from your smart phone or tablet. As soon as the devices are connected with the WiFi, the same menu structure shown on the internet radio will appear on the smart phone/tablet App. You can select all functions just like on the radio. The selected functions / menu items shown on the radio will change according to the actions taken on your mobile device.

If you are controlling the internet radio via App, a UPnP connection to Windows Media Player may not be possible.

Troubleshooting

Problem	Solution
Device does not switch on	- Check if the power supply is correctly connected to the power outlet. - Check if the cable of the power supply is correctly connected to the device. - Unplug it, wait 1 minute and then plug it back in.
No sound	- Check if the mute function in the volume control is activated (mute). - Increase the volume until you hear sound again
No Internet connection	- Check if the WLAN router is working properly. - Check if the parameters on the device are set correctly. For example, pay attention to the DHCP setting. - Run the automatic scan for networks again. - Enter the correct password (this was set during router configuration). - Do not select foreign networks. - The Internet server may be temporarily unavailable or overloaded.
Time and date are wrong	- Check the settings for the time zone and set them again.
Bluetooth fails to connect to your mobile device or it fails to play music	- Check your mobile device supports A2DP. - Ensure that the TX-178 is in on-state. - Ensure that the Bluetooth feature is activated on your phone. - Check that the TX-178 is within 10m of your phone and that there are no obstructions between the TX-178 and the phone, such as walls or other electronic devices.
Problem to play audio files from USB	- Check the correct formatting of the audio file (MP3 or WMA) - USB flash disk format needs to be FAT32. - The maximum supported data storage is 32GB. - The USB port doesn't support any external hard disk drive (HDD).

Technical specifications

Modes	Internet Radio / USB / FM / DAB+ / CD / AUX / Bluetooth
Bluetooth	Version 5.0, Transmitting distance up to10m (open space) Frequency band 2.4GHz Radiated transmission power max. 2.5mW
WiFi	Transmitting distance up to 20m (open space); Frequency band 2.4GH; Radiated transmission power max. 18.5mW; IEEE802.11b/g/n Encryption: WEP, WPA, WPA2(PSK), WPS; Protocol: TCP/IP, DHCP
FM frequency band	87.5-108MHz
DAB+ frequency band	Band III 174-240MHz
USB capacity	Up to 32GB (Format: FAT32)
File format	MP3 / WMA
AUX-In / Headphone jack	3.5mm
CD format	CD-R, CD-RW, MP3
Loudspeaker / frequency / impedance	2x10W RMS Ø75mm / 100Hz-20kHz / 6Ω
SNR / DAB+ sensitivity	≥80db / -101dB
Power adapter	Input: AC 100-240V 50/60Hz max. 0.8A; Output: DC 12V / 2,5A
Display	2.4" (6cm) colored TFT
Controls	8 buttons and 1 knob, remote
Power consumption	Max. 18W / Standby:<2W
Operating temperature	0°C up to +40°C
Material	PC / ABS / Texture mesh
Antenna	Telescope antenna
Weight / dimension Main	1.0kg / (L) 20.0 x (W) 15.0 x (H) 10.5cm
Power adapter cable length	approx. 140cm
Weight / dimension each loudspeaker	0.9kg / (L) 14.0 x (W) 12.0 x (H) 18.5cm
Loudspeaker cable length	approx. 140cm
Package content	Technaxx® DAB+ Internet Stereo System TX-178, 2x loudspeaker, Power adapter, remote control, 2xAAA batteries, user manual

Support

Care and maintenance

Clean the device only with a dry or slightly damp, lint-free cloth.
Do not use abrasive cleaners to clean the device.
This device is a high-precision optical instrument, so in order to avoid damage, please avoid the following practice:
●Use the device in ultra-high or ultra-low temperature.
●Keep it or use it in moist environment for long.
●Use it in rainfalls or in water.
●Deliver or use it in strongly shocking environment.

Declaration of Conformity

The EU Declaration of Conformity can be requested at the following address: www.technaxx.de/ (in the lower bar "Declaration of Conformity").

Disposal

Disposal of the packaging. Sort packaging materials by type upon disposal.

Dispose of cardboard and paperboard in the waste paper. Foils should be submitted for recyclables collection.

Disposing of old equipment (Applies in the European Union and other European countries with separate collection (collection of recyclable materials) Old equipment must not be disposed of with household waste! Every consumer is required by law to dispose of old devices that can no longer be used separately from household waste, e.g. at a collection point in his or her municipality or district. This ensures that the old devices are properly recycled and that negative effects on the environment are avoided. For this reason, electrical devices are marked with the symbol shown here.

Batteries and rechargeable batteries must not be disposed of in household waste! As a consumer, you are required by law to dispose of all batteries and rechargeable batteries, whether they contain harmful substances* or not, at a collection point in your community/city or with a retailer, to ensure that the batteries can be disposed of in an environmentally friendly manner. * marked with: Cd = cadmium, Hg = mercury, Pb = lead. Return your product to your collection point with the fully discharged battery installed inside!

Made in China

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DAB+ Internet Stereo System TX-178