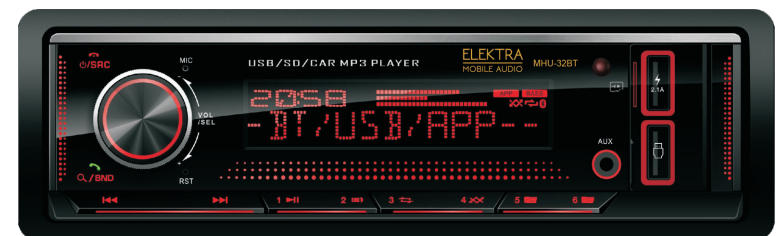


ELEKTRA

MOBILE AUDIO

OPERATION MANUAL

MHU-32BT



www.elektramobileaudio.com

IMPORTANT NOTICE & PRECAUTIONS

Thank you for choosing ELEKTRA! To operate the unit correctly, please read the operation manual carefully before using. Keep this operation manual for further reference.

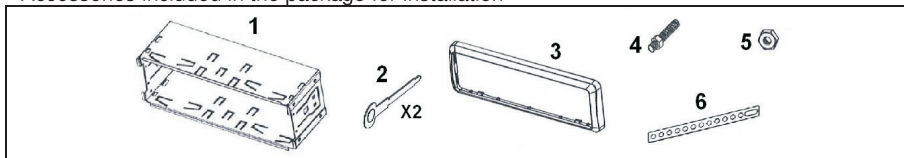
The unit is designed only for DC 12V negative ground operation system. Make sure your vehicle is connected to DC 12V negative ground operation system. Be sure to connect the speaker(-) leads to the speaker(-) terminal. Never connect the left and right channel speaker wires together or to the vehicle body.

The normal temperature for operation is between -20 and +60 degree Celsius. Do not work in extreme high or low temperature and block vents or radiator panels of the unit, blocking them will cause heat to build up inside the unit and may cause damage or fire.

This unit can play FLAC, Mp3 & WMA files.

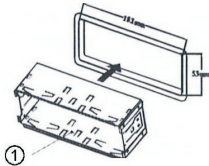
INSTALLATION

Accessories included in the package for installation

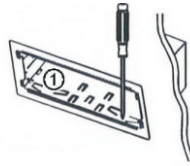


Mounting of the unit to the dashboard:

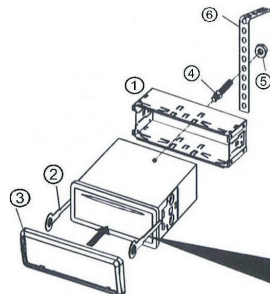
1. Put the mounting sleeve into the dashboard



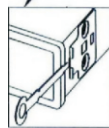
2. Bend the tabs outward into the dashboard for a secure mounting



3. If necessary, use the strap to secure the back of the unit in place. The strap can be bent by hand to the desired angle



To remove the unit, insert the release keys on both sides of the unit and then pull the unit out from the dashboard



SIMPLE TROUBLE SHOOTING GUIDE

PROBLEMS, CAUSES & SOLUTIONS

No power

Check and make sure the connecting wires are connected correctly.
Check whether the fuse is blown. Replace with the proper value of fuse if necessary.

No sound

Check and make sure the speaker wires are connected correctly.

Unit hang-up

Turn off the unit and restart again or unplug the power supply and reconnect again.

No function when pressing the buttons

Turn off the unit and restart again or unplug the power supply and reconnect again.

Remote handset does not work

Replace new battery of the remote handset.
Point the remote handset directly to the remote sensor of the main unit.
Clean the surface of the remote sensor.

Note:

After the above efforts, if the unit still cannot be worked normally, consult your service dealer. Never attempt to disassemble the unit by yourself. No user serviceable parts inside the unit.

SPECIFICATION

GENERAL

Power requirement: DC 12 Volts negative ground
Load impedance: 4 Ohms
Maximum power output: 50 watts x 4 channels

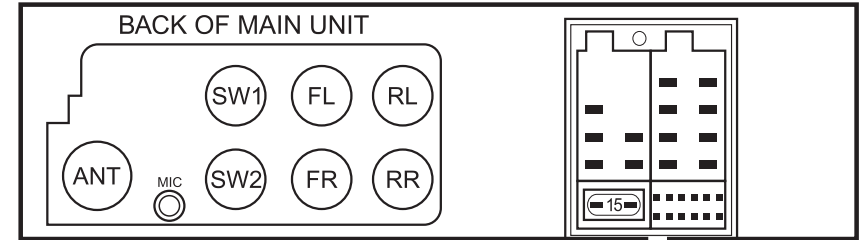
AUDIO SECTION

Maximum output level: 2 Vrms (+/- 3dB)
Frequency response: 20 Hz to 20 KHz
Signal to noise ratio: 85 dB
Channel separation: 80 dB

FM RADIO SECTION

Frequency range: 87.5 – 108 MHz

WIRING CONNECTION



SW1: (Green) Sub-woofer output
SHARED WITH FRONT FULL RANGE

SW2: (Green) Sub-woofer output
SHARED WITH FRONT FULL RANGE

FL: (White) Front left speaker output

FR: (Red) Front right speaker output

RL: (White) Rear left speaker output

RR: (Red) Rear right speaker output

ANT: (ANT) Radio antenna

MIC: (MIC) External microphone jack



WIRING PLUG


Yellow	Memory back up (B+)
Blue	Auto antenna (B+)
Blue/White	Amplifier control
Black	Ground (B-)
Red	Ignition switch (B+)
Purple/Black	Rear right speaker (-)
Purple	Rear right speaker (+)
Grey/Black	Front right speaker (-)
Grey	Front right speaker (+)
White/Black	Front left speaker (-)
White	Front left speaker (+)
Green/Black	Rear left speaker (-)
Green	Rear left speaker (+)

Refer to the MAIN UNIT (M/U) and REMOTE CONTROL HANDSET (R/C) FOR GENERAL OPERATIONS.

GENERAL OPERATION

POWER ON / OFF

M/U: When the unit is turned off, press “” / “PWR” to turn on the unit. During unit operation, press & hold “” / “PWR” shortly to turn off the unit.

R/C: Press “” to turn on or off of the unit.

OPERATION MODE SELECTION

M/U: During unit operation, press “SRC” repeatedly to select the desired mode for operation.

R/C: Press “MODE” repeatedly to select the desired mode for operation.

AUXILIARY INPUT JACK

M/U: Insert an external device to “AUX” jack in order to have audio output of the device through the unit.

LCD DISPLAY

M/U: The “LCD DISPLAY” shows the status of current operation of the unit.

REMOTE CONTROL SENSOR

M/U: “IR” is the sensor to receive the signal from the remote handset. Pointing the remote handset to IR and press the remote handset keys for operation.

BATTERY REPLACEMENT (BATTERY NOT INCLUDED)


R/C: Refer to the drawing as shown at the back of the remote handset for instruction of battery replacement.

VOLUME CONTROL

M/U: Rotate “AUDIO CONTROL” (rotary control knob) to adjust sound output level.

R/C: Press “VOL+ / VOL-” repeatedly or press & hold “VOL+ / VOL-” to adjust sound output level.

MUTE CONTROL


R/C: Press “” to turn on or off of sound mute control.

REMOTE HANDSET – BLUETOOTH OPERATION





BLUETOOTH MODE SELECTION

Press SRC repeatedly to select BLUETOOTH mode for operation. SEARCH AND PAIR ELEKTRA MHU TO BT DEVICE.


CALL PICK UP

When a call is received, the caller ID (if available on the incoming call) will appear on LCD display. Press  to pick up.



PHONE NUMBER INPUT / DIAL OUT / REDIAL

To input phone number, press  first then input the phone number directly by pressing number key 0 – 9. Press  to erase the digit that input by error. After inputting the phone number, press  to dial out. After hanging up a call, press  to redial.

HANG UP / REFUSE CALL

Press  to hang up or refuse an incoming call.

MUSIC PLAYBACK

Music playback from the mobile phone can be transmitted to the unit for broadcasting, by pressing  /  repeatedly to shift track upward or downward for playback.

RANDOM PLAYBACK

M/U: Press “RDM” to start or cancel random playback of tracks of the input device.

R/C: Press “RDM” to start or cancel random playback of tracks of the input device.

MP3 ID3 DISPLAY

M/U: At MP3 playback mode, press “BND” / “BAND” repeatedly to show on “LCD DISPLAY” the ID3 contains of the music files that recorded. These may include directory, album, title, artist, music, time....

R/C: At MP3 playback mode, press “BND” repeatedly to show on “LCD DISPLAY” the ID3 contains of the music files that recorded. These may include directory, album, title, artist, music, time....

Note: Depends on the music files recorded, ID3 display will be varied or not available.

USB / SD INPUT OPERATION

USB / SD INPUT MODE SELECTION

M/U: During unit operation, press "SRC" repeatedly to select USB or SD input mode for operation.

R/C: Press "MODE" repeatedly to select USB or SD input mode for operation.

USB SLOT

M/U: Slide "USB" to open USB cover and insert USB device to "USB" slot for digital music files playback.

SD CARD READER

M/U: Slide "USB" to open USB Cover then insert SD/MMC card to "SD" card reader for digital music file playback.

PLAY & PAUSE

M/U: Press "⏸" to pause or resume playback. At pause mode, "PAUSE" will appear on LCD DISPLAY.

R/C: Press "⏸" to pause or resume playback. At pause mode, "PAUSE" will appear on LCD DISPLAY. At stop mode, press "▶" to start playback at the beginning of the input device.

FAST FORWARD / FAST REWIND

M/U: Press & hold "⏩" / "⏪" for fast forward / fast rewind of the playback. Release "⏩" / "⏪" will resume to normal playback.

R/C: Press & hold "⏩" / "⏪" for fast forward / fast rewind of the playback. Release "⏩" / "⏪" will resume to normal playback.

TRACK SELECTION

M/U: Press "⏩" / "⏪" repeatedly to choose tracks upward or downward for playback. Press number key "5 / 6" for every 10 tracks downward or upward for playback. Press & hold number key "5 / 6" repeatedly to search for folder for playback (available on input device recorded with folders). Press "Q" / "APS" to activate track searching mode. At this mode, rotate "FUNCTION SELECTOR" to select track for playback.

R/C: Press "⏩" / "⏪" repeatedly to choose tracks upward or downward for playback. Press number key "5 / 6" for every 10 tracks downward or upward for playback. Press "APS" will shift to direct track search mode and at this mode, press "VOL+ / VOL-" repeatedly or input the track number by pressing the number key "0-9" directly for desired track selection and confirm the playback by pressing "SEL".

INTRO PLAYBACK

M/U: Press "INT" to start or cancel intro playback of each track of the input device.

R/C: Press "INT" to start or cancel intro playback of each track of the input device.

REPEAT PLAYBACK

M/U: Press "RPT" repeatedly to select repeat playback mode.

R/C: Press "RPT" repeatedly to select repeat playback mode.

AUDIO CONTROL / FUNCTION SELECTOR

M/U: Press "FUNCTION SELECTOR" (rotary control knob) repeatedly to shift to the following control modes and when the desired mode reached, rotate "FUNCTION SELECTOR" (rotary control knob) to have its respective setting or adjustment:

- BAS (bass control): to adjust output level on bass
- TRE (treble control): to adjust output level on treble
- BAL (balance control): to adjust the output level on left & right speakers
- FAD (fader control): to adjust the output level on front & rear speakers
- LOUD ON / LOUD OFF (loudness control): to turn on or off of loudness control
- CLASSIC / POP / ROCK / DSP OFF (EQ control): to select preset equalization mode. Press And Hold Sel To Customize the 20 Band EQ.
- LOCAL / DX (local and distant setting): to select local (LOCAL) setting for reception of strong signal stations or to select distant (DX) setting for receipt of weak signal stations
- STEREO / MONO (stereo and mono setting): to select stereo (STEREO) or mono (MONO) mode at FM radio band
- VOL (volume control): to adjust sound output level

R/C: Press "SEL" repeatedly to shift to the following control modes and when the desired mode reached, press "VOL+ / VOL-" repeatedly to have its respective setting or adjustment:

- BAS (bass control): to adjust output level on bass
- TRE (treble control): to adjust output level on treble
- BAL (balance control): to adjust the output level on left & right speakers
- FAD (fader control): to adjust the output level on front & rear speakers
- LOUD ON / LOUD OFF (loudness control): to turn on or off of loudness control
- CLASSIC / POP / ROCK / DSP OFF (EQ control): to select preset equalization mode. Press And Hold Sel To Customize the 20 Band EQ.
- LOCAL / DX (local and distant setting): to select local (LOCAL) setting for reception of strong signal stations or to select distant (DX) setting for receipt of weak signal stations
- STEREO / MONO (stereo and mono setting): to select stereo (STEREO) or mono (MONO) mode at FM radio band
- VOL (volume control): to adjust sound output level

Note: Local/distant and stereo/mono selection available for setting at FM radio mode only

PRESET EQUALIZATION

M/U: Press "EQ" repeatedly to select the desired preset equalization mode.

R/C: Press "EQ" repeatedly to select the desired preset equalization mode.

LOUDNESS CONTROL

M/U: Press "LOUD" to turn on or off of loudness control.

R/C: Press & hold "LOUD" shortly to turn on or off of loudness control.

CLOCK DISPLAY & ADJUSTMENT

M/U: Press "⌚" / "CLK" to recall time display.

For time adjustment, press & hold "⌚" / "CLK" shortly until the digits of hour starts blinking, then rotate "FUNCTION SELECTOR" (rotary control knob) to adjust hour and confirm the setting by pressing "FUNCTION SELECTOR" (rotary control knob), it will then change to minute setting. Rotate "FUNCTION SELECTOR" (rotary control knob) to adjust minute and when all setting completed, press "⌚" / "CLK" to confirm the setting and it will resume to normal time display.

R/C: Press "DISP" to recall time display.
For time adjustment, press & hold "DISP" shortly until the digits of hour starts blinking, press "VOL+ / VOL-" repeatedly to adjust hour and confirm the setting by pressing "SEL", it will then change to minute setting. Press "VOL+ / VOL-" to adjust minute and when all setting completed, press "DISP" again to confirm the setting and it will resume to normal time display.

RADIO OPERATION

RADIO MODE SELECTION

M/U: During unit operation, press "SRC" repeatedly to select radio mode for operation.

R/C: Press "MODE" repeatedly to select radio mode for operation.

BAND SELECTION

M/U: Press "BND" / "BAND" repeatedly to select the desired radio band for broadcasting.

R/C: Press "BND" repeatedly to select the desired radio band for broadcasting.

AUTO MEMORY STORING

M/U: Press & hold "Q" / "APS" shortly to start searching the radio frequency and checking the signal strength until one cycle search finished. The strongest signal stations are then stored into preset station number "1-6". The unit then starts scanning all the preset stations in memory and stop for a few seconds on each station for broadcasting. During searching or scanning mode, press "Q" / "APS" again to stop operating this function.

R/C: Press & hold "APS" shortly to start searching the radio frequency and checking the signal strength until one cycle search finished. The strongest signal stations are then stored into preset station number "1-6". The unit then starts scanning all the preset stations in memory and stop for a few seconds on each station for broadcasting. During searching or scanning mode, press "APS" again to stop operating this function.

MANUAL MEMORY STORING

M/U: Each time when the desired radio broadcasting station or frequency is reached, you can store this station or frequency into the preset station number "1-6" by pressing & holding the respective preset station number "1-6" shortly.

R/C: Each time when the desired radio broadcasting station or frequency is reached, you can store this station or frequency into the preset station number "1-6" by pressing & holding the respective preset station number "1-6" shortly.

MANUAL TUNING UP / DOWN

M/U: Press & hold "▶▶ / ◀◀" shortly to activate manual tuning mode and the word MANUAL will appear on "LCD DISPLAY" shortly. At this manual mode, press "▶▶ / ◀◀" repeatedly to fine tune the radio frequency upward or downward to the desired frequency or station. In case the manual tuning mode has not been operated for 5 seconds, it will resume to automatic mode and the word AUTO will appear shortly on "LCD DISPLAY".

R/C: Press & hold "▶▶ / ◀◀" shortly to activate manual tuning mode and the word MANUAL will appear on "LCD DISPLAY" shortly. At this manual mode, press "▶▶ / ◀◀" repeatedly to fine tune radio frequency upward or downward to the desired frequency or station. In case the manual tuning mode has not been operated for 5 seconds, it will resume to automatic mode and the word AUTO will appear shortly on "LCD DISPLAY".

PRESET MEMORY STATIONS

M/U: Press any one of the preset station number "1-6" to select that preset station for broadcasting.

R/C: Press any one of the preset station number "1-6" to select that preset station for broadcasting.

AUTO SCANNING

M/U: Press "Q" / "APS" to start scanning all the preset station in memory and stop for a few seconds on each station for broadcasting. Press "Q" / "APS" again to stop this scanning function.

R/C: Press "APS" to start scanning all the preset station in memory and stop for a few seconds on each station for broadcasting. Press "APS" again to stop this scanning function.

AUTO SEEKING UP / DOWN

M/U: Press "▶▶ / ◀◀" for automatic seeking the frequency upward or downward to the next strong station received for broadcasting.

R/C: Press "▶▶ / ◀◀" for automatic seeking the frequency upward or downward to the next strong station received for broadcasting.

LOCAL / DISTANT SELECTION

M/U: At FM radio mode, press "FUNCTION SELECTOR" (rotary control knob) repeatedly until LOCAL (local) and DX (distant) mode reached. At this mode, rotate "FUNCTION SELECTOR" (rotary control knob) to select radio reception at local (LOCAL) setting for reception of strong signal stations or distant (DX) setting for reception of weak signal stations.

R/C: At FM radio mode, press "SEL" repeatedly until LOCAL (local) and DX (distant) mode reached. At this mode, press "VOL+ / VOL-" to select radio reception at local (LOCAL) setting for reception of strong signal station or distant (DX) setting for reception of weak signal stations.

STEREO / MONO SELECTION

M/U: At FM radio mode, press "FUNCTION SELECTOR" (rotary control knob) repeatedly until STEREO (stereo) and MONO (mono) mode reached. At this mode, rotate "FUNCTION SELECTOR" (rotary control knob) to select radio reception at mono (MONO) or stereo (STEREO) mode.

R/C: At FM radio mode, press "SEL" repeatedly until STEREO (stereo) and MONO (mono) mode reached. At this mode, press "VOL+ / VOL-" to select radio reception at mono (MONO) or stereo (STEREO) mode.

Note: When a stereo signal received, stereo indicator will appear on "LCD DISPLAY" and this is no indication for mono signal received.