

SSL®

Bluetooth®

USER'S MANUAL

ML41B

BLUETOOTH® | MP3-COMPATIBLE
DIGITAL MEDIA FM RECEIVER



CONTENTS


Precautions.....	1
Lithium Battery Cell Warnings	1
Use Cautions	1
Installation	2
Installation Procedures	2
Installation Opening.....	2
Wiring Connections.....	3
Uninstall the Main Unit	3
Overview of the Components	4
General Operation	4
Turn Unit on/off.....	4
Change the Source (SRC)	4
Adjust Volume (VOL)	4
Adjust Menu Options (SEL)	5
Mute On/Off	5
Setting the Clock	5
USB Port, AUX IN Jack	5
Reset	5
RADIO Operation	6
Switch Between US and EU Frequency	6
Change Bands.....	6
To Store / Recall Preset Stations.....	6
Manual Tuning / Auto Seek Tuing.....	6
Automatic Store Preset station / Preset Scan	6
USB Operation	7
Insert USB Device.....	7
Next/Previous Track, Fast Forward/Backward.....	7
Play / Pause	7
Introduction Scan (INT)	7
Repeat Playback (RPT)	7
Playing all tracks in Random	7
Track/Folder Navigation	7
Select the track or file for playback in MP3 format	7
Aux Audio Operation	8
Bluetooth Operation	8
Pair and Connect	8
Make a Call	8
Redial Last Dialed Number	8
Answer / Reject / End a Call	8
Switch Audio Between Car Audio and mobile Phone	9
Audio Streaming (A2DP)	9
Push-To-Talk	9
Remote Control	10
Specifications	11

PRECAUTIONS

Lithium Battery Cell Warnings

- Cell leakage may cause damage to the remote control.
- Do not throw cells into fire, as this may cause an explosion.
- Keep battery cells out of reach of children.

Use cautions

- To reduce the risk of fire, electric shock, and annoying interference, do not repair yourself. Please refer serving to qualified person.
- Some MP3/WMA files may not be playable.
- Keep lower volumes to concentrate on traffic and road conditions.
- If the battery is disconnected or discharged or changed, the preset memory will be erased and must be reprogrammed.
- Installation of unit is better at a horizontal position, or if it is at an angle, it may be not working at its best situation.
- Be sure to lower the volume before switching off the unit or the ignition key.
- The use of apparatus in moderate climates.
-  The symbol indicates DC voltage.



For coin/button battery used, please refer for further information to the user manual. Attention should be drawn to the environmental aspects of battery disposal.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING

Do not ingest the battery, Chemical Burn Hazard (The remote control supplied with)

This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

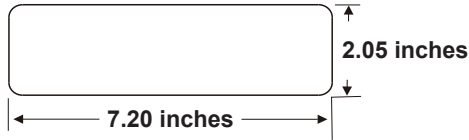
INSTALLATION

Installation Procedures

First complete the electrical connections and then check for correctness.

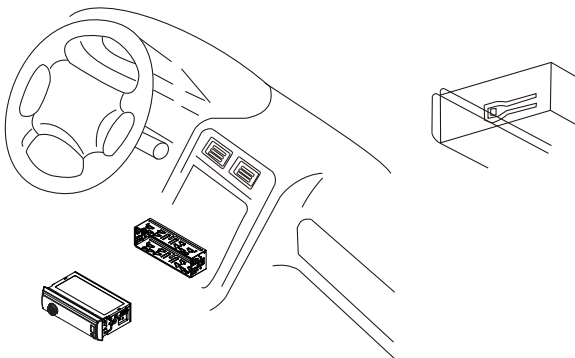
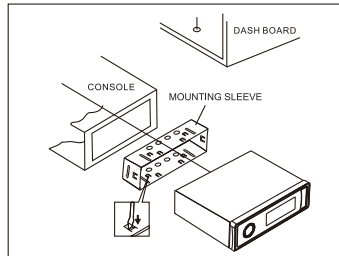
Installation Opening

This unit can be installed in any dashboard Having an opening as shown below.



Insert mounting collar into the dashboard and bend the mounting tabs out with a screwdriver.

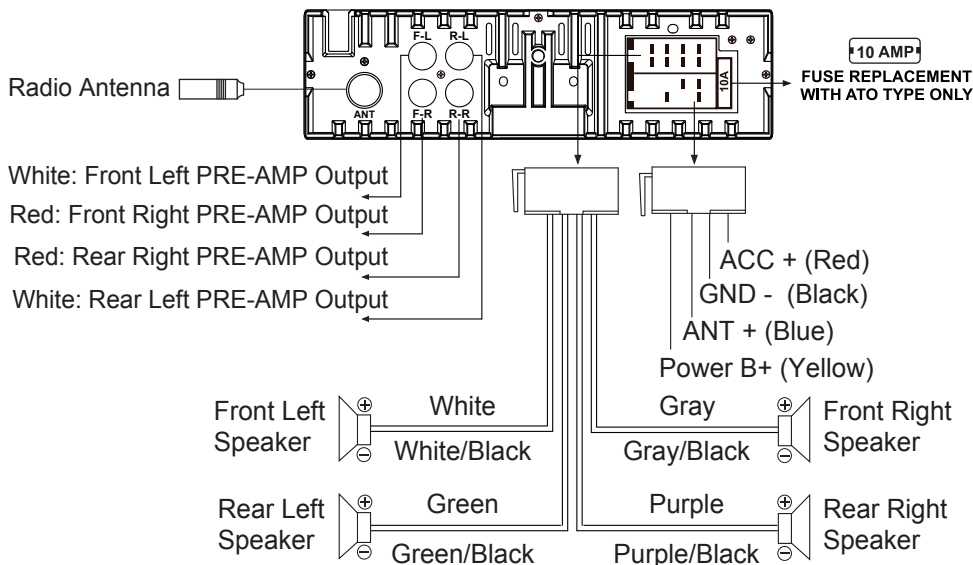
Make sure that lock lever is flush with the mounting collar(not projecting outward).



INSTALLATION(CONT.)

Connect all wiring harness and slide the head unit into the mounting collar until it clicks into place.

Wiring Connections

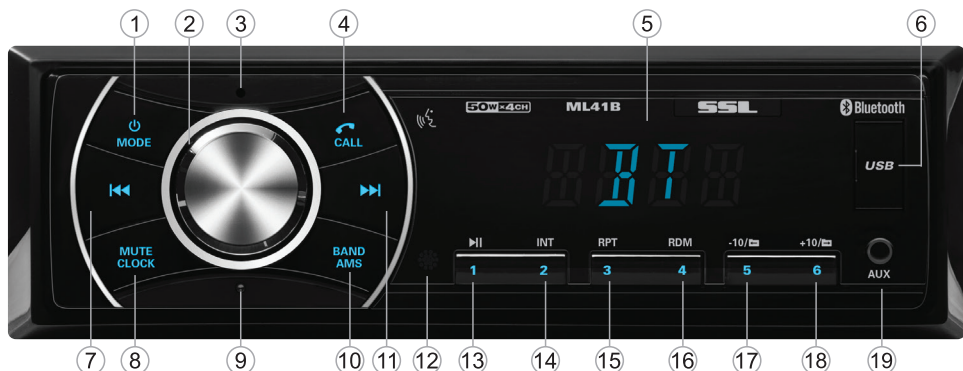


- Only support speakers of 4 ohms or above.
- The maximum current of the auto antenna is 200mA.
- The equipment shall be protected by the circuit with max. 10 Amperes of the front end of DC source.

Uninstall the Main Unit

1. Remove the plastic trim out from the main unit.
2. Insert a bracket key into the left and right side of the main unit and draw the unit out of the mounting sleeve.

Overview of the Components



1. (power) / MODE (source) button
2. VOL (volume) knob, (Push-To-Talk) button, SEL (select/menu) button
3. Hands-free Microphone
4. (Answer Call / End Call) button
5. LED Display
6. USB Port
7. (tune/seek down, previous track, fast reverse) button
8. MUTE button, CLOCK (clock setting) button
9. Reset button
10. BAND button, AMS(automatic store) button
11. (tune/ seek up, next track, fast forward) button
12. IR remote sensor
13. (pause/play), Preset station 1 button
14. INT (intro), Preset station 2 button
15. RPT (repeat), Preset station 3 button
16. RDM (random), Preset station 4 button
17. -10(previous 10 tracks), previous folder, Preset station 5 button
18. +10(next 10 tracks), next folder, Preset station 6 button
19. AUX IN (aux audio input) jack

General Operation

Turn Unit On/off, Change the Source

- Press the /MODE button to turn on the unit. Press and hold the / MODE button to turn off the unit.
- Press the /MODE button to select the different modes: Radio, USB(with USB device inserted), AUX-IN(aux audio input) and BT(Bluetooth) modes.

Adjust the volume (VOL)

Rotate the **VOL** knob to increase or decrease the volume level.

General Operation

Adjust Menu Options (SEL)

• Press and hold **SEL** button to access the setting menu, then press the **SEL** button repeatedly to cycle through the following setting menu:

- BASS:-7, -6, ~, 1, 0, +1, ~, +6, +7
 - TREBLE:-7, -6, ~, 1, 0, +1, ~, +6, +7
Note: BASS and TREBLE settings are only enabled when EQ setting is turned OFF.
 - BALANCE:L7, L6, ~, L1, 0, R1, ~, R6, R7
 - FADER:R7, R6, ~, R1, 0, F1, ~, F6, F7
 - EQ(Equalizer) Setting: OFF, CLASS, ROCK, POP, FLAT
 - Loudness: LOUD ON/OFF
 - DX/LOCAL: Enables or disables the local broadcast mode (LOCAL).
 - Stereo/Mono: Switches between MONO and STEREO reception mode for radio frequencies.
 - CLOCK 12/24: Select between 12 hours and 24 hours display.
Note: If 12 hour display is selected, AM= Morning; PM= Afternoon
 - AREA USA/EUR: This car radio is equipped the USA / Europe frequency.
Rotate the volume knob to switch between USA and Europe frequency.
The system will change the frequency setting in about 3 seconds.
- Rotate the **VOL** knob to adjust the selected item.

Mute On/Off

In power on mode, briefly press the **MUTE** button to toggle mute on or off.

Setting the Clock

Press and hold the **CLOCK** button to display time. Press and hold the **CLOCK** button, the hours digits start flashing on the display. Set hours by rotating the **VOL** knob. Briefly press the **CLOCK** button. The minute digits start flashing. Set minutes by rotating the **VOL** knob. Finally press the **CLOCK** button to confirm your settings.

LED Display

USB Port

Hands-free Microphone

Aux Audio Input Jack

Reset

Push the **RESET** button with a thin object with a pointed end to reset the unit. This function may be used when the display does not display normally or sound is distorted, or when any of controls are disabled.

Switch Between USA area and Europe area Frequency

In radio mode, press and hold the **SEL** button to enter setting menu, then press the **SEL** button to enter the switch state of the USA and EUR(europe) frequency, then rotate it to switch between USA) and europe frequency. The system will change the frequency setting in about 3 seconds.

Change Bands

In radio mode, shortly press the **BAND/AMS** button to switch between the FM1(F1), FM2(F2), FM3(F3) bands.

To Store / Recall Preset Stations

The radio can be stored 6 preset stations for each band (FM1, FM2, FM3) for a total of 18 preset stations.

- To memorize a station:

Press and hold the desired preset buttons (1-6) to save a radio station.

- To recall a preset station:

Briefly press the respective station button (1-6) to recall the corresponding preset station.

Manual Tuning

In the radio mode:

Press and hold the **▶▶** or **◀◀** button to enter the manual tuning mode.

In manual tuning mode, briefly press the **▶▶** or **◀◀** button to search the next or previous frequency step by step.

Seek Tuning

In radio mode, press the **▶▶** or **◀◀** button, the automatic search will start, it will search upward or downward for the strong signal radio station within the current band. The auto searching will stop until find a station.

Automatic Store Preset station (AMS)

Press and hold the **BAND/AMS** button to store 18 FM stations stations automatically.

USB Operation

Play MP3/WMA music inside a USB stick. Insert the USB stick with MP3/WMA musics into the USB port, it will play automatically.

Note: the USB port also supports charging mobile phone, the maximum charging ability is 5V/1A.

Select Next Track or Previous Track

In the USB mode, briefly press the ►► or ◀◀ button to play the the next or previou track.

Faste Forward/Reverse

Press and hold the ►► or ◀◀ button to fast forward or reverse a track.

Play / Pause

Press the ►◄ button to interrupt the playback of a music (pause function). Press this button again to continue the playback.

Introduction Scan

Press the **INT** button to play the first 10 seconds of all track.
Press again to stop the introduction scan, and play the current track.

Repeating the track

Press the **RPT** button to toggle between RPT ALL (Play all track), RPT DIR (Continuously repeat all tracks in current folder) and RPT ONE (Continuously repeat current track).

Playing all tracks in random

Press **RDM** once, play all tracks randomly. Press **RDM** once again, exit from random playback.

Track/Folder Navigation

- Press the **-10/+10** buttons to jump 10 tracks backward or forward.
It is required that over 10 tracks be available on the storage medium.
- Press and hold the **-10/+10** button to select the previous or the next folder.
(If there are folders on the storage medium.)

Select the track or file for playback in MP3 format

- a) Press and hold the **BAND/AMS** button to enter track search mode.
The "0000" will appear on the display.
- b) Rotate the volume knob to select the number of your favorite track with high speed.
- c) When the desired track number appears, confirm your selection by pressing **SEL** button.

Using this socket, it is possible to hear the sound of other playback devices such as MP3 players, CD players etc. through the car loudspeaker.

1. Please connect the external device with a 3.5 mm stereo jack plug to the AUX socket.
 2. Press the **MODE** button repeatedly until "AUX IN" appears in the display.
 3. You hear the playback from the external device via the loudspeakers.
- You can adjust the volume of the external device to a comfortable level with the volume control of this device.

Bluetooth Operation

Pair and Connect


Pair the mobile phone with the device before using it.

1. In any mode, prior to pairing and connecting, the BT logo in the display indicating that no device is connected. To begin pairing, enable BT mode on your mobile phone.
2. When the phone finds the car audio system, the "SSL ML41B" name will be displayed.
3. Choose the "SSL ML41B" from the device list to pair and connect with the car audio system. Upon confirming, the BT logo will stop flashing.
4. When pairing is complete, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.



Make a Call

To make a call, dial the call directly from the paired mobile phone.

Redial Last Dialed Number

Press and hold the  button on the control panel to redial the last dialed phone number.

Answer a Call

- When the mobile phone is called, the incoming telephone number displays on the display.
- To receive the call, press the  button on the front panel or  button on the remote control.

Reject or End a Call

To reject or end the call, the  button on the front panel or  button on the remote control.

Bluetooth Operation

Switch Audio Between Car Audio and mobile Phone

During a call, press the **VOL** knob/button to switch the audio source from the car audio system back to your mobile phone.

Audio Streaming (A2DP)

The unit supports A2DP (advanced audio distribution profile) wireless streaming audio from your Bluetooth mobile device directly to your head unit. You can also control your music from the front panel of the head unit using AVRCP (audio video remote control profile).

1. After pairing, connecting and enabling streaming audio from a compatible mobile device, press the **MODE** button to enter BT mode and the “BT AUDIO” will be shown on the display.
2. When a mobile device is paired, music played through that device will automatically be heard through the car audio system.
3. Press the **▶▶** or **◀◀** button to play the next or previous on the mobile phone.
4. Press the **▶||** button to pause or resume music playback.

Push-To-Talk





This Push-To-Talk feature allows direct access to Android and IOS smartphones voice assistant capability when user establish the bluetooth connection between user's smartphone and this receiver.

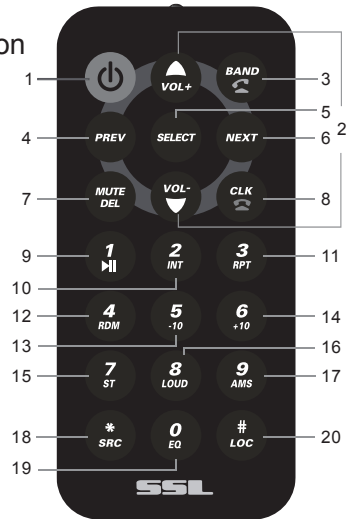
Simply connect directly from this receiver via Bluetooth with  button.

Note:

- Before using the Push-To-Talk, user must enable the mobile data on user's smartphone.
- To use the navigation feature, switch to the BT Audio source to hear voice commands over your vehicles speakers.

Remote Control

1.  (Power on/off) button
2. VOL+/VOL-(volume increase/decrease) button
3. Band button,  (answer call) button
4. PREV: tune down, seek down;
Track down, fast reverse
5. SEL(selection) button
6. NEXT: tune up, seek up;
Track up, fast forward
7. Mute button, DEL(Delete) button
8. CLK(clock setting) button,
 (end call) button
9.  button, preset station 1 button,
keypad 1
10. INT(intro) button, preset station 2 button,
keypad 2
11. RPT(repeat) button, preset station 3 button,
keypad 3
12. RDM(random), preset station 4 button, keypad 4
13. -10(previous 10 tracks), preset station 5 button, keypad 5
14. +10(next 10 tracks), preset station 6 button, keypad 6
15. ST(stereo) button, keypad 7
16. LOUD(loudness) button, keypad 8
17. AMS(automatic music search) button, keypad 9
18. SRC(Source) button, keypad *
19. EQ(Equalizer) button, keypad 0
20. LOC(local)/DX button, keypad #



Note: When using the remote control for the first time, you must pull out the protective plastic tab from the battery compartment found on the back of the remote control.

Specifications

General

Power supply Requirement :	DC 12V
Maximum power output :	50W X 4CH
Speaker impedance :	4 - 8 Ohm
Unit Dimensions(WxHxD) :	7.0 X 2.0 X 2.76 inches
Weight :	1.04 lbs
Fuse :	10 A

RADIO

FM

Frequency Range:	87.5 MHz - 107.9 MHz (USA) 87.5 MHz - 108.0MHz (EUROPE)
Channel step:	200 KHz(USA) 50 KHz(EUROPE)

AM

Frequency Range:	530 KHz - 1710 KHz (USA) 522-1620 KHz(EUROPE)
Channel step:	10 KHz(USA) 9 KHz(EUROPE)

USB

Usable Audio Formats:	MP3/WMA
USB Port Type:	2.0
USB Charging:	5V/1A
Pre-amp Output:	Front and Rear
Frequency Response:	20 Hz - 20KHz
S/N Ratio:	60dB

BT

BT Profile supports:	Headset, Handsfree and A2DP & AVRCP
Range of frequency:	2.4GHz



SOUND STORM LABORATORIES

3451 Lunar Court, Oxnard CA 93030

TECHNICAL ASSISTANCE

www.soundstormlab.com/support

805-751-4855 Customer Service

ML41B

BLUETOOTH® | MP3-COMPATIBLE DIGITAL MEDIA

AM/FM RECEIVER



0522

iPod® and iPhone® are registered trademarks of Apple Inc. in the U.S. and other countries.

Sound Storm Laboratories is not affiliated with Apple Inc.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sound Storm Laboratories is under license. Other trademarks and trade names are those of their respective owners.