

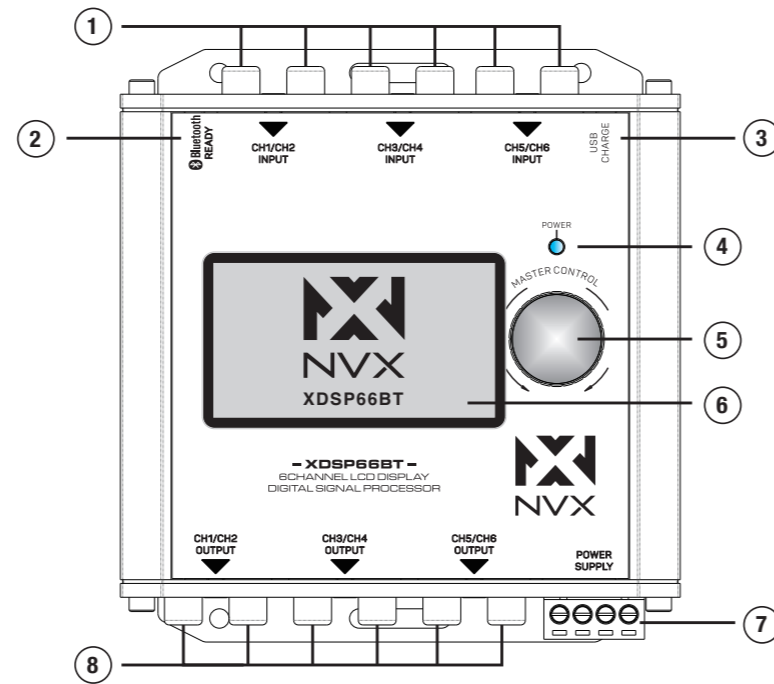
**WHAT'S INCLUDED**

- . XDSP66BT unit
- . Bluetooth Streaming USB Dongle
- . Manual
- . Mounting Screws 4 PCS
- . Screwdriver 1PCS
- . Power socket

**INSTALLATION**

1. Disconnect the +12V positive and negative cables from the battery in the vehicle to prevent any damage to the vehicle during the installation process.
2. Pick a mounting location that will provide access to the controls and connections.
3. The XDSP66BT needs to be securely mounted using the four mounting holes. Before drilling any holes, take every precaution to prevent damage to fuel lines, power, and other electrical wiring that might compromise vehicle safety.
4. Use a sufficient-gauge insulated power wire with a 3 Amp inline fuse, to connect the +12V terminal to the positive terminal of the vehicle battery.
5. Use a sufficient-gauge insulated cable to connect the ground terminal to the negative terminal of the vehicle battery.
6. Connect the remote power terminal (IN) of the unit to the remote turn-on switch of your source unit.
7. Connect the remote power terminal (OUT) of the unit to the remote Input on your amplifier.
8. Connect your audio inputs to the unit – either speaker-level or line-level RCA.
9. We do recommend the use of an NVX interconnect cable for the best audio experience.

**OVERVIEW & FUNCTIONS**



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- 1 **INPUTS:** Work with both speaker-level and low-level audio signals.
- 2 **BLUETOOTH READY:** Connect the included Bluetooth Dongle via the USB port for wireless streaming.
- 3 **USB CHARGE:** Standard USB charge port. 5V/1A.
- 4 **STATUS LED:** Illuminates when powered on.
- 5 **MASTER CONTROL:** Rotating and short press to easily access all menu functions and settings.
- 6 **LCD DISPLAY:** 2.75" for visually accessing the menu and settings.
- 7 **POWER SUPPLY & REM IN/OUT**  
**GND:** Connect to the vehicle's chassis ground.  
**REM IN:** Connect to the remote turn-on switch of your source unit.  
**REM OUT:** Connect to the remote input of your amplifier.  
**+12V(+BAT):** Connect to the positive terminal of the battery.
- 8 **OUTPUTS:** Provide the processed signal to your amplifier.

**SETTING UP XDSP66BT**

Gain Matching	Link Channel Pairs	PEQ	Frequency Cutting	Timing Alignment
Match the gain level for different inputs.	Link each channel pair or copy settings within the channel pair to simplify the tuning process.	Set parametric equalizing values for each channel.	Filter and cut the frequency for different speakers	Align all speakers to create an ideal listening position.

**MENU STRUCTURE ON LCD DISPLAY**

01. SOURCE	02. LEVEL TRIM	03. PEQ	04. HPF	05. LPF
-BT/RCA -RCA1&2 -High/Low -Exit	-CH -Gain -Phase -Exit	-CH -Band: 1-15 -Ratio: x1/x10... -Freq: -Gain: -12~+12dB -Q: 0.2-10 -Exit	-CH -Ratio -Freq -Type: -12/24dB/oct. -Exit	-CH -Ratio -Freq -Type: -12/24dB/oct. -Exit

**Source:** Signals are received from either Bluetooth or RCA inputs. If you are using an aftermarket radio you will want to select RCA. If have a factory radio then you will want to use Line Level/Speaker Level.

**Level Trim>>Gain:** Input gains adjustable from -30~0dB. Turn to -30dB to fully mute the channel and observe the difference between "muted" and "activated".

**PEQ>>Freq:** The frequency centers of each 15 bands are logarithmically distributed. The user can adjust the center frequency value of each band fast with the help of "ratio" selection. For instance, with the ratio "x100" selected, the frequency changes at a step of 100Hz with every rotation on the encoder.



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**PEQ>>Ratio & HPF>>Ratio:** It helps the user change the band center frequency at a desired step. x1 / x 10/ x 100 / x 200 / x 500.

**PEQ>>GAIN:** It controls the level of the selected frequency point. The number of frequencies around the frequency point makes a band, whose width is affected by the "Q" value below.

**HPF>>Q:** The value affects the selected bandwidth. Value ranges from 0.2~10.

**HPF>>Type:** The XDSP66BT provides 2 types of crossover slope, -12dB/octave and -24dB/octave.

**LPF>>Type:** LPF has the same setting structures as the HPF.

06. DELAY	07. LINK	08. SAVE	09. LOAD	10. SYS SETTING
-CH Unit: ms/cm/inch -Value -Exit	-Copy: 1>2/2>1 -Link: 1&2 -Exit	-Preset: A -Preset: F -Exit	-Default -Preset: A -Preset: F -Exit	-Backlight: On/Off -Restore -About -Exit

**Delay:** When taking measurements, measure the farthest speaker from the listeners' position.

**Copy:** The copy function allows you to copy the setting from one channel to another.

**Save:** There is a memory slot for 6 presets labeled through A to F. The XDSP66BT has an auto-save feature—when suddenly switching off, the existing settings will be saved, enabling the user to resume working when the device is powered back on.

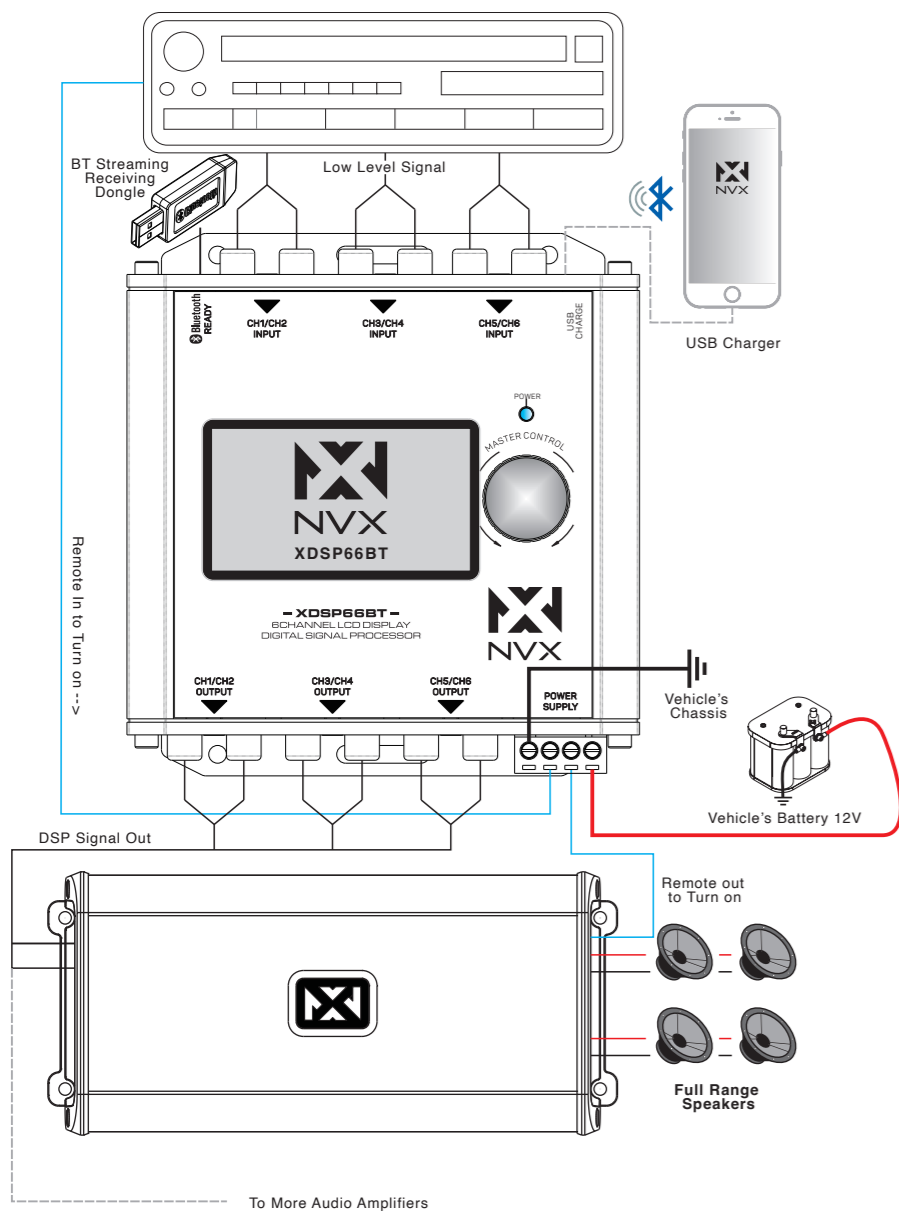
**Load:** Users can select from six presets to load.

**Restore:** When "Restore", all previous settings, including the presets, are removed. The default factory settings are all flat.

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**WIRING DIAGRAM**



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**TECHNICAL SPECIFICATIONS**

**AUDIO**

Line Level Input	Balanced * 6, Max 2V(THD+N=1%)
High Level Input	via RCA, Max 20V
Input Impedance	20K-ohm
Output Signal Voltage	Max 6.5V (THD+N=1%)
Output Impedance	< 200-ohm
Signal to Noise(RCA)	-95dB (A weighted)
THD+N	<0.01%
Frequency Response	10Hz~25kHz (-1dB)
Channel Separation	-70dB
Sampling Rate	48KHz

**DSP**

Operating System	Work Independently
Remote Control	N / A
Master Volume Control	Yes, Encoder
Gain	-40 to 0dB
Phase	0° / 180°
PEQ	15 Bands
X-over Type	Butterworth
X-over Slope	-12dB / Octave or -24dB / Octave
Delay (Timing Alignment)	Yes (Units: ms/cm/inch)
Route	N / A
PEQ Presets	6

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**WORKING**

Operating Voltage	10V-15V
Max Working Current	400mA (Low level input); 450mA (High level input). @ 12V
REM Out	Max 80mA
USB Port	External Bluetooth Dongle, Music Streaming
USB Charge	5V/1A

**PHYSICAL**

Chassis Body	Anodized Aluminum
Operating Temperature	<60°C / 140 °F
Weight	400g / 0.88Lb
Dimension (L x W x H)	128.4 x 121.3 x 36.0mm / 5.1" x 4.77" x 1.4"

Due to continuing products improvement, features and specifications are subject to change without notice.

**WARRANTY**

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