

# MTX AUDIO

re-Q<sup>TM</sup> Smart Digital Bass Restoration  
**Owner's Manual**

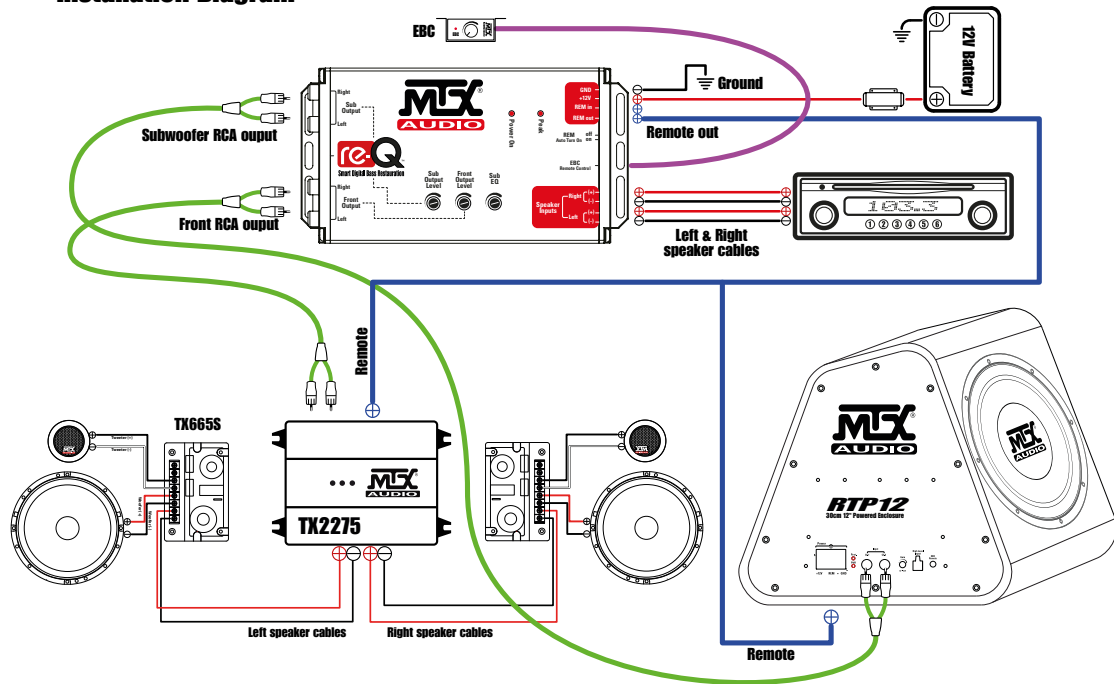


**Premium active high-level speaker inputs to line-level RCA outputs processor with EBC remote control and Smart Digital Bass Restoration**

Designed by MTX in Phoenix, AZ - USA

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## Installation Diagram



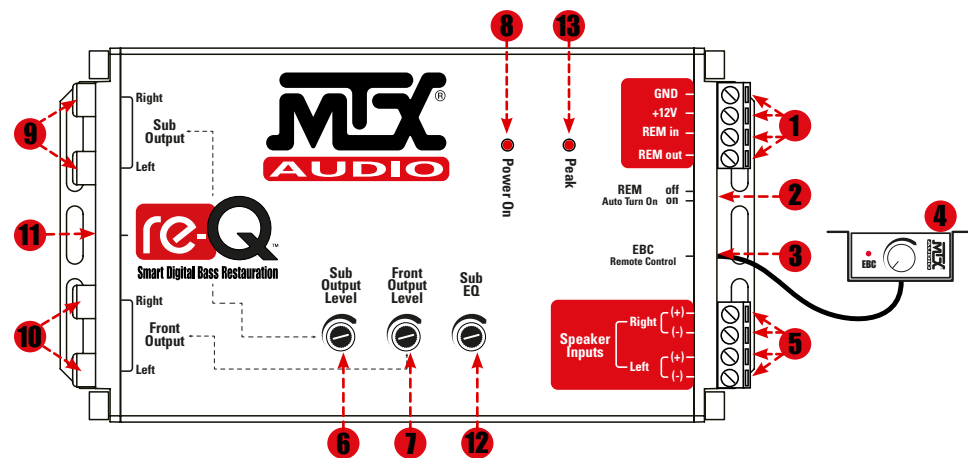
## USA - UK

Thank you for purchasing the MTX re-Q premium active high-level speaker inputs to line-level RCA outputs processor with EBC remote control and Smart Digital Bass Restoration. The re-Q is designed to enhance your integrated car factory head-unit and transform it into a phenomenal high fidelity device to get an ultimate listening experience. Congratulations for making a smart choice and enjoy your music with MTX.

## Specifications

- High-level inputs to line-level outputs processor
- re-Q smart digital bass restoration processing
- EBC (external bass control) on the sub outputs
- 2 channel 4 connectors speaker inputs (left+right)
- Speaker inputs can accept up to 4x110W RMS
- 4x10V RMS RCA outputs with level controls
- Auto turn-on feature with Remote output
- Total Harmonic Distortion : >0.01%
- Signal to Noise: >112 dB
- Speaker inputs impedance : 20kΩ
- Frequency Response: 20Hz-80kHz ±0,5dB
- Dimensions 168x90x28mm (feet included)

- Power connectors**  
**GND** : to be connected to the car chassis  
**+12V** : to be connected to the car 12V permanent  
**REM in** : if the head unit is equipped with a remote cable (Antenna), you can connect it here. It is not mandatory as the re-Q provides a REM out.  
**REM out** : Automatic turn on and turn off remote output cable to be connected to amps, powered enclosures and sound processors.
- Remote Auto Turn ON jumper**  
 Enable or disable the Automatic turn ON and turn OFF Remote function. Put the strap in ON position to get the automatic remote function.
- EBC remote control port**  
 Bass level remote control port to be connected to the included EBC remote control case.
- EBC remote control case**  
 Turn the control clockwise to raise the subwoofer output level of your re-Q.
- Speaker Inputs**  
 Four screws to be connected to the car factory speaker cables. You can connect to the front or to the rear speaker cables. Respect the polarity to avoid sound quality losses. The power input can go up to 4x110W RMS to allow any factory head-unit to be connected, even the ones with a separate power amp.
- Subwoofer Output Level Control**  
 Turn the control clockwise to raise the subwoofer output level up to 10V RMS.
- Front Output Level Control**  
 Turn the control clockwise to raise the front full range output level up to 10V RMS.
- Power ON LED**  
 When the unit is turned ON, the LED is red. When the unit is OFF, the LED is OFF.
- Subwoofer RCA Outputs**  
 Connect your subwoofer amp(s) or powered enclosure(s) to these RCA connectors. These subwoofer outputs use a 18dB/Oct active x-over filter set to 120Hz.
- Front RCA Outputs**  
 Connect your wide range speaker amp(s) to these RCA connectors.
- re-Q : Potentiometer control**  
 See "How to set your re-Q" section
- re-Q : Sub EQ**  
 See "How to set your re-Q" section
- re-Q : Peak LED**  
 See "How to set your re-Q" section



## How to set the re-Q bass restoration function

1. Initial settings : Turn the re-Q control (11) to minimum (counterclockwise). Put the Sub EQ control (12) in the middle. You can feel a click.
2. On the factory head-unit, play a bass track where the factory bass drop is easy to identify. Set the volume at the exact volume level the bass starts to drop.
3. Raise the re-Q control (11) until the Peak LED (13) starts to flash.
4. Play with the Sub EQ control (12) to adjust the bass level you like.
5. The bass drop of your factory head-unit is now more than compensated. You can enjoy your fantastic new sound system...