

VU LEVEL METER CAX-VU / VUS








FEATURES

- Our stepping motor brings you high precision and quick response.
- Extremely precise display of your sound output level.
- Possible to select input signal from LINE or SPEAKER.
- Highly compatibility with all kinds of standard and optional audio systems.
- Possible to make your desired warning settings.
- BLUE illumination changes to RED when set warning limit is exceeded.
- Adjustable needle movement range. ● 3-step adjustable needle response speed.
- If you are using 2 channels (left and right), please use two meters.

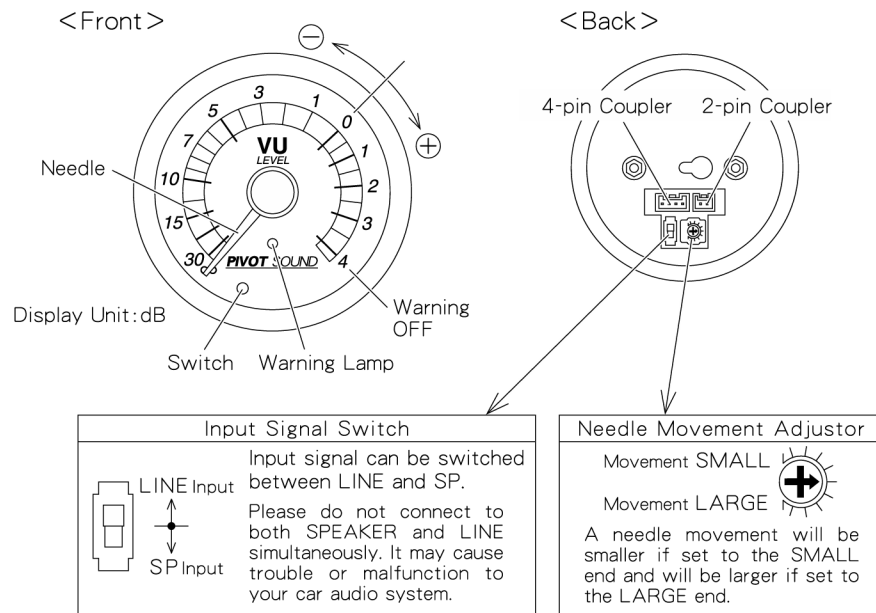
Thank you for purchasing our PIVOT product. Please read these instructions carefully before installing or using this device.

- When installing this product, we recommend that if technical knowledge becomes necessary please consult a qualified mechanic.
- Please do not lose this user's guide, as you will held liable for the cost of reissuing it.

CONTENTS (CAX-VU)

			
Meter	4-pin Coupler Cable	2-pin Coupler Cable	Wire Connectors X4
			CAX-VUS comes in a set of 2 each.
Cushion Tape	Standard Audio Wiring Table	User's Guide	

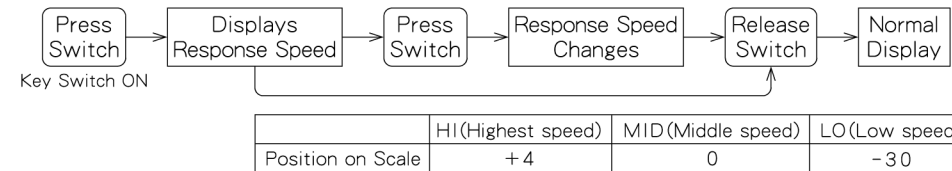
PART NAMES



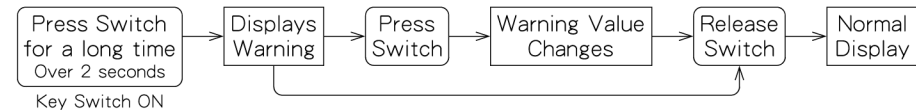
SWITCH OPERATION SETTINGS

For adjusting the response speed of the needle and for making warning settings.

ADJUSTING THE RESPONSE SPEED OF THE NEEDLE



WARNING SETTINGS



DEMONSTRATION MODE SETTINGS



This mode is for demonstration at a store, so there is usually no need to use it.

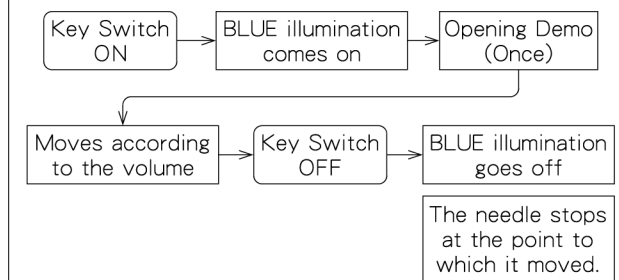
- If you have switched off the demo mode, please follow the directions to the left again.
- Once the demonstration mode has been set up, it will be saved and there is no need to reset each time you switch the key ON.

HOW TO ADJUST

Depending on your device and wiring, adjust the needle movement as necessary.

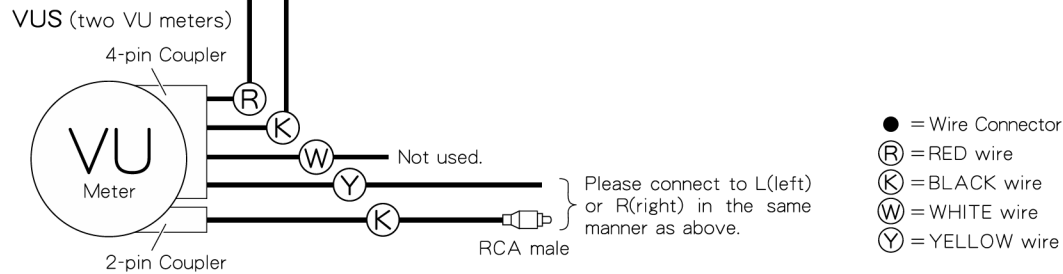
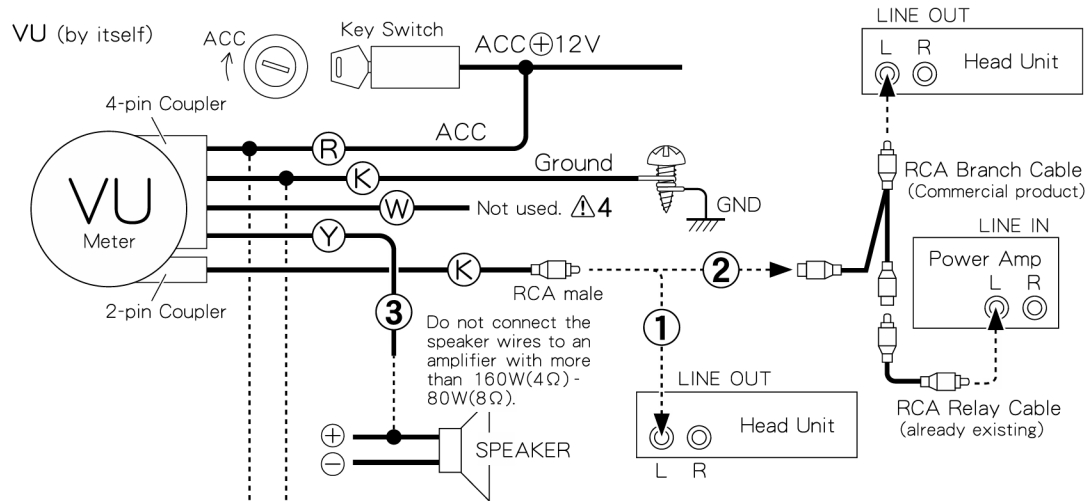
- NOTE
1. If there are no problems with the factory settings, no adjustments are necessary.
 2. The following is just one example, please make adjustments as you see fit.
 3. Different types of music or response speeds may cause the needle to move drastically; this will not affect the meter's performance, but if it bothers you please make adjustments to the needle movement.
 4. The scale is in decibels (dB) and the display shows the rate of change.
- ① Set the bass and treble to the maximum level at which you generally listen.
 - ② Choose music with emphasized bass and treble, and set the volume to the maximum level at which you generally listen.
 - ③ Set the response speed to MID. (The faster the response speed, the larger the movements of the needle will be.)
 - ④ Turn the adjustment on the back of the meter to the right and left to fix the maximum instantaneous movement of the needle to around -1 to +1. (In order to balance two or more meters, it is necessary to set the adjustment arrows to the same position.)
 - ⑤ The warning setting value should be made to be higher than the one you set in step ④ above. When you turn OFF the warning function (shift to a RED light), you should adjust to +4.

HOW TO OPERATE



WIRING METHOD

Connect the signal wire (BLACK RCA wire or YELLOW wire) to either LINE (Method ① or ②) or SPEAKER ⊕ side (Method ③), and move the input signal switch at the back of VU meter to match the wiring method.



- = Wire Connector
- Ⓡ = RED wire
- Ⓚ = BLACK wire
- Ⓦ = WHITE wire
- Ⓨ = YELLOW wire

SIGNAL WIRING

LINE (Method ①②)

If the LINE OUT jack of the head unit is not being used, connect the meter's BLACK RCA wire directly to it. If an amplifier is using the LINE OUT jack, please use a commercially sold branch cable.

SPEAKER ⊕ side (Method ③)

For standard audio equipment or for units without a LINE terminal, connect to the SPEAKER's ⊕ side.

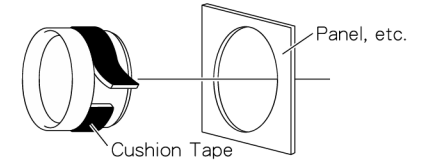
NOTE

1. Wiring to a speaker should usually be done to the ⊕ side, but if it also works from the ⊖ side, it doesn't matter which side you connect to. However, for low output units, the ⊖ side usually does not work, so you must connect to the other side.
2. It is easy to find the wires around the speakers, but if you know about wiring, it is possible to wire from the backside of the audio equipment.

- ⚠1 If the amplifier is higher than 160W(4Ω)-80W(8Ω), connect to LINE as in ① or ② above.
- ⚠2 Do not simultaneously connect using methods ①, ②, and ③.
- ⚠3 Please insulate the tips of all wires not being used with vinyl tape.
- ⚠4 The WHITE wire is used only for home audio and is generally not used in cars, so please insulate the tip.

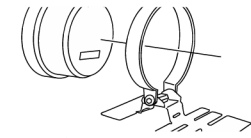
METER INSTALLATION

Installing Into Front Panel.



- Wrap the cushion tape around the base of the meter and forcibly insert into the 60mm hole in the panel.

INSTALLING INTO DASH BOARD



Sold separately.
Please purchase Pivot's Band Holder (¥1,554) or other such product.

SPECS

- Operating Voltage Range = DC 10-16V
- Current Consumption = Less than 100mA
- Input Sensitivity (Maximum measurable input voltage)
LINE = 0.2-5.1V(rms)
SP = 0.24-160W(4Ω) / 0.15-100W(6Ω)
0.1-80W(8Ω) / 1.0-25.4V(rms)
- Input Impedance
LINE = 40kΩ SP = 4.9kΩ

TROUBLESHOOTING

※Please make the following checks before seeking repair.

Trouble	Possible Causes	Possible Solution
The opening demo (needle moves once) does not work with key switched ON.	<ul style="list-style-type: none"> ● The RED / BLACK wire connections are wrong. ● Bad wiring contact or connection. 	Check the items in the list of causes.
BLUE illumination does not come on.	<ul style="list-style-type: none"> ● The fuse is blown for the RED wire line. 	
The needle does not move even after turning up the volume.	<ul style="list-style-type: none"> ● No signal is being input. ● The needle movement is not adjusted properly. 	<ul style="list-style-type: none"> ● Check the input signal wiring. ● Adjust the needle movement by moving the adjustment switch at the back of the meter.
The movement of the needles is too large or too small.		

HOW TO USE THE WIRE CONNECTORS

※If soldering is possible, please do so.

<p>1</p> <p>Peel off about 10mm of the vinyl cover at connection point.</p>	<p>2</p> <p>Peel off about 10mm of the vinyl cover at the end of the product's wire.</p>	<p>3</p> <p>Twist the uncovered wires.</p>	<p>4</p> <p>Close tightly with wire connector.</p>
<p>※ Use a crushing tool to press the wire connector. If you do not have such a tool, use pliers or such to fold and crush the connector together for a secure contact.</p>		<p>※ After covering, make sure to insulate properly with vinyl tape.</p>	

PIVOT CORPORATION

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