

IGNI-BOX

FOR THE PROFESSIONAL INSTALLER

Technical Specifications

Voltage supply range : 10-16 VDC
Current usage : <1 mA (passive)/2mA-3A (active)

Activation voltage

Active : > +10VDC
Passive : < +10VDC

Maximum current supplied by ignition:

1A. Active when High.

Measurements pr. Second:>3500

Size L x W x H: 75 x 20 x 14 mm

Connector configurations

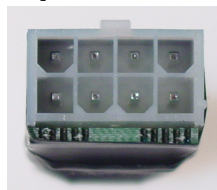
Input connector



+12	NC	1
-	2	3

Made in Denmark by
Kram Telecom A/S

Output connector



1	IGN	NC	+12
3	2	NC	-

KRAM
TELECOM

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Product Description

IGNI-BOX and IGNI-BOX adaptors

The IGNI-BOX makes the need for an ignition wire, when installing aftermarket car accessories, redundant.

Many new cars do not have an easy accessible switched ignition wire due to the use of Bus based vehicle control networks like CAN-bus. This has spawned the need for a fast and versatile Ignition substitute.

For this reason we have invented the IGNI-BOX. This small microprocessor controlled unit makes an artificial switched Ignition based on the noise levels on the constant 12v wire. To make the needed calculations the IGNI-BOX makes up to 4000 measurements pr. second.

The IGNI-BOX will switch on the ignition signal when the engine is turned on. On some car models it will even turn on the ignition signal as soon as the key is inserted into the ignition barrel and that way being very similar to the normal ignition functionality in older cars.

A normal IGNI-BOX item number consists of two items. The 1st item is the IGNI-BOX and the 2nd item is the IGNI-BOX adaptor. The IGNI-BOX adaptor makes the installation plug and play when installing a Kram Telecom cable set. Some IGNI-BOX adaptors even exists for OEM Carkit cables. But all the IGNI-BOX really needs in order to make an artificial ignition signal is a connection to the constant 12v and the ground wire. The installation is that simple.

EN951

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Installation description

IGNI-BOX and IGNI-BOX adaptors.

Needed items:

A. IGNI-BOX. B. IGNI-BOX adaptor. C. Cable set. D. Carkit-adaptor.

Installation:

Installation steps 1 to 7 must be followed as described to ensure correct function of the IGNI-BOX.

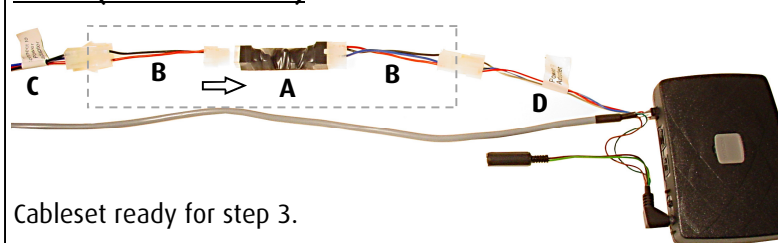
1. Connect the IGNI-BOX adaptor **B** between the connectors supplying the Carkit **C** & **D**. See pictures below for specific info regarding the different adaptor types.
2. Connect the IGNI-BOX **A** to the **8 pin output connector**.
3. Start the engine and let it run for approximately 15 sec.
4. Stop the engine, remove the key and wait approximately 10 sec.
5. Connect the IGNI-BOX to the **6 pin Input connector**. See the arrow on pictures below. When the IGNI-BOX is connected the ignition goes on (Ignition wire goes high) and the carkit should start-up.
6. Please wait while the IGNI-BOX programs itself. When the programming phase is complete, after approximately 20 sec, the ignition will go off (Ignition wire goes low) and the carkit should shut down.
NOTE: Please avoid interfering with the cars wiring loom or electronics while the IGNI-BOX is programming itself.
7. Please make a function check. The blue ignition wire in the 8 pin output connector should source 12v within 5-30 sec. after the engine is started, and should source 0v 5-30 sec after the engine is turned off. In some car models the IGNI-BOX will also be able to source 12v if the key is in the ignition but the engine is off. **NOTE:** If the IGNI-BOX does not work as described please disconnect the 6 pin input connector and repeat installation from point 3.

Note: If the car is equipped with accessories like "Follow me home light" or other systems that might be active when the car is parked. Please make sure these systems are active when installing the IGNI-BOX.

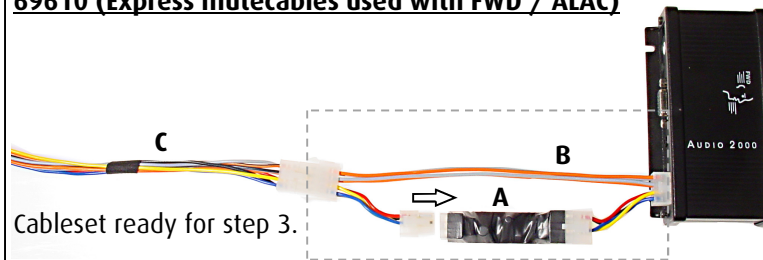
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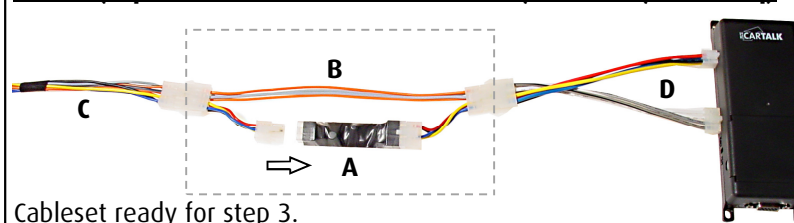
69605 (1.G Drive & Talk)



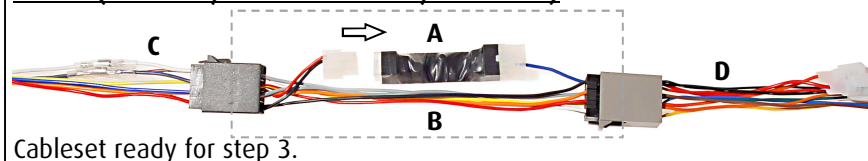
69610 (Express mutecables used with FWD / ALAC)



69610 (Express mutecables used with THB / V2-FLEX / Smarteq)



69615 (ISO2CAR / Parrot cableset / ISO radio)



See our complete Radio Mute program on our website
www.kram.dk