

# POWER IN BLACK – THE BMW KEY CARD.

IMPORTANT NOTES FOR RETAILERS.



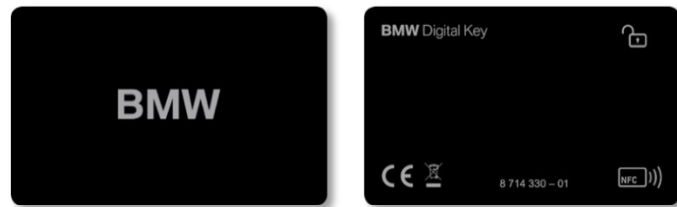
October 2021



# DIGITAL KEY. POWER IN BLACK – THE BMW KEY CARD.

## What is the BMW Key Card?

The card is a fully functioning vehicle key that can be used to open, lock and start the vehicle. It is a part of the BMW Digital Key for newly launched models of G05 and higher.



## How does the Key Card work?

The Key Card uses the NFC technology (Near Field Communication).

To open and close the vehicle, hold the activated card in the proximity of the NFC reader in the door handle on the driver's side. The engine can be started as soon as the Key Card is placed in the Smartphone tray.

There is only one Key Card useable per vehicle.

## What do you need to observe as Authorised BMW Retailer?

The Key Card is in the vehicle on delivery. There is a vehicle identification number stored on the card.

Please ensure safe storage with assignment to the vehicle and handing over to your customer on delivery.

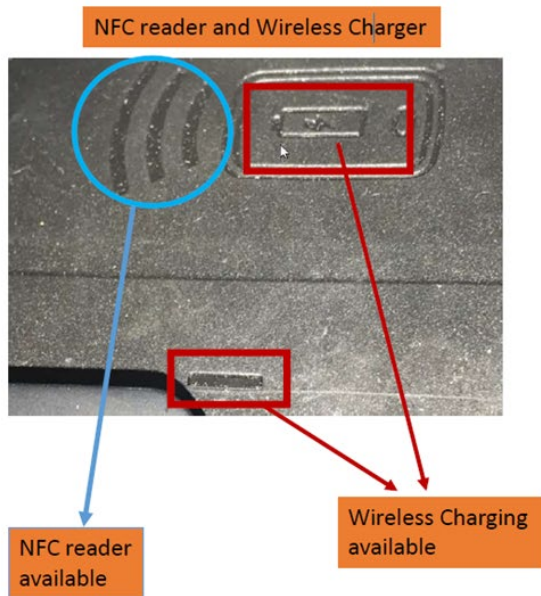
## How is the Key Card activated?

Every Key Card is connected to the related vehicle. The customer has only to activate it via iDrive.

It covers all use cases in which the customer doesn't want to pass along the smartphone (e.g. breakdown or workshop process, Valet Parking).

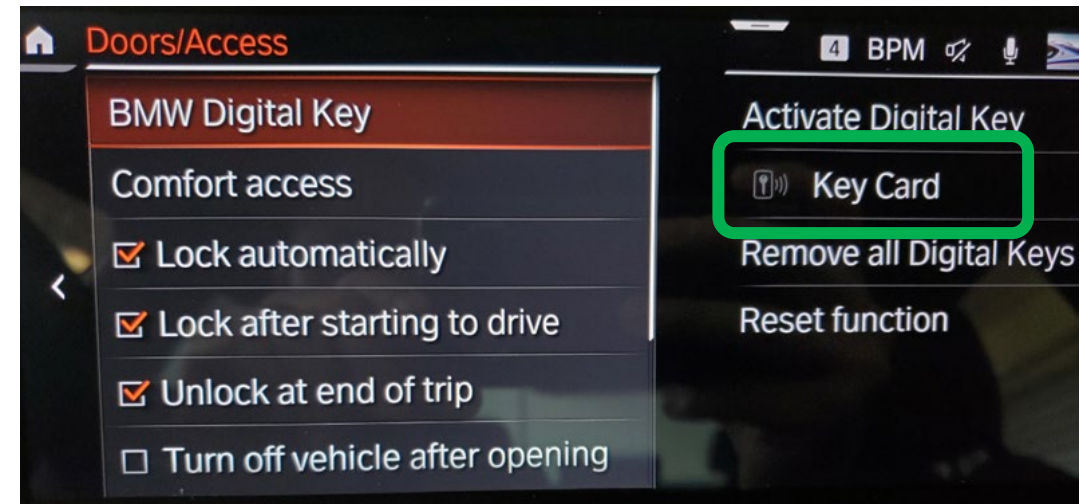
# ACTIVATION

1. Place the Key card on the NFC reader pad located on the center consoler. (NFC reader may have a different symbol depending on the vehicle options)



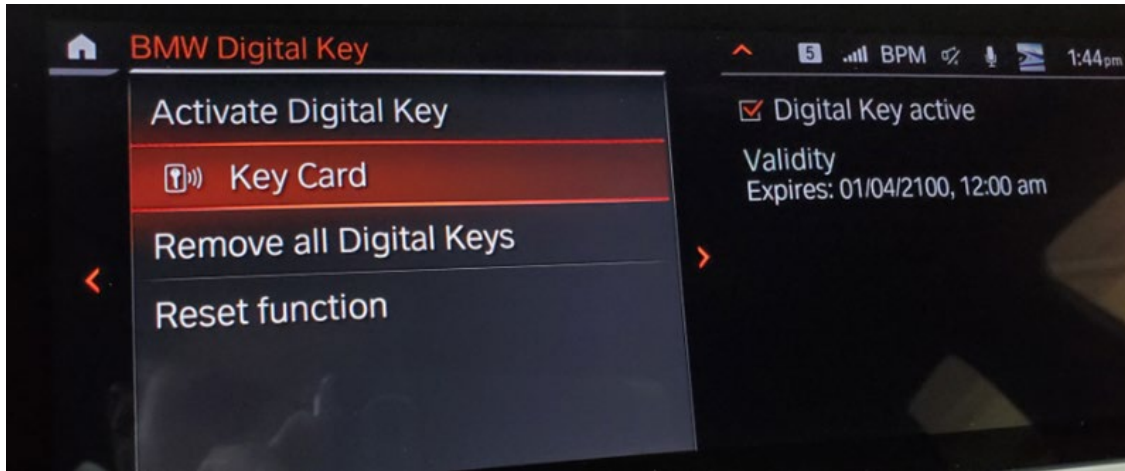
2. For initial activation a valid remote control key needs to be present in the vehicle.

Follow prompts through the iDrive or manually access settings under Settings → Door Access → BMW Digital Key → Key Card → Activate Digital Key → Key card

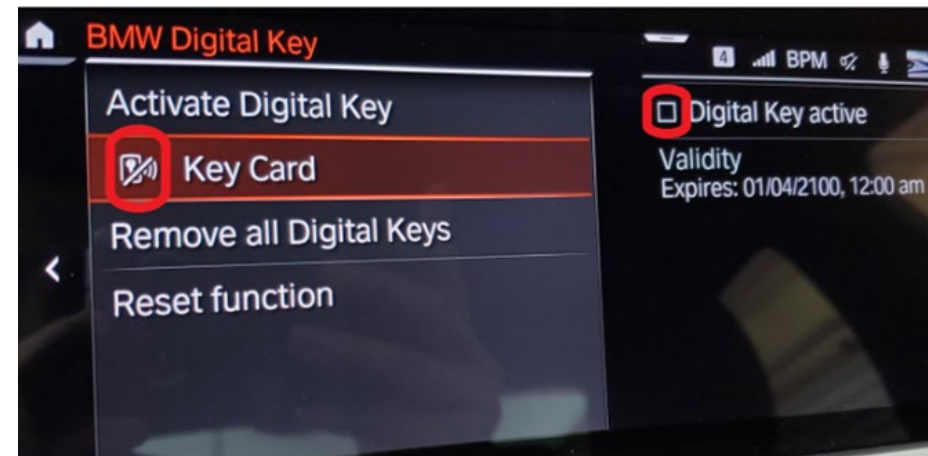
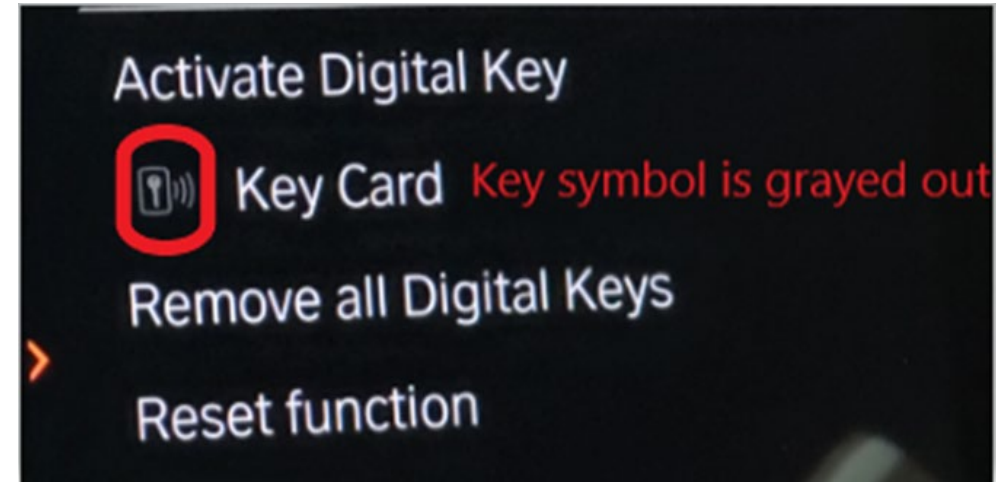


# VERIFICATION

## Activated Key Card



## Deactivated Key card



# DIGITAL KEY. KEYREADER PLUS MOBIL: VIN READING FROM KEY-CARD.



1. This additional function can only be used via the configuration interface (see **figure 1**) with SW version v.31
2. To do this, the KeyReader Plus must be connected to a Windows computer via USB and the KeyReader Plus USB driver must be installed.
3. Then please insert the following IP-Adress (<http://192.168.17.17>) in a released Internet Browser for ISPI Next.
4. A new button **"NFC KeyCard Reading Mode"** is available at the bottom of the configuration page. This puts the device in the new operating mode.
5. In this operating mode, normal key reading and the transmission of key data is turned off.
6. The operating mode can be seen on the device by the fact that the middle LED flashes white.

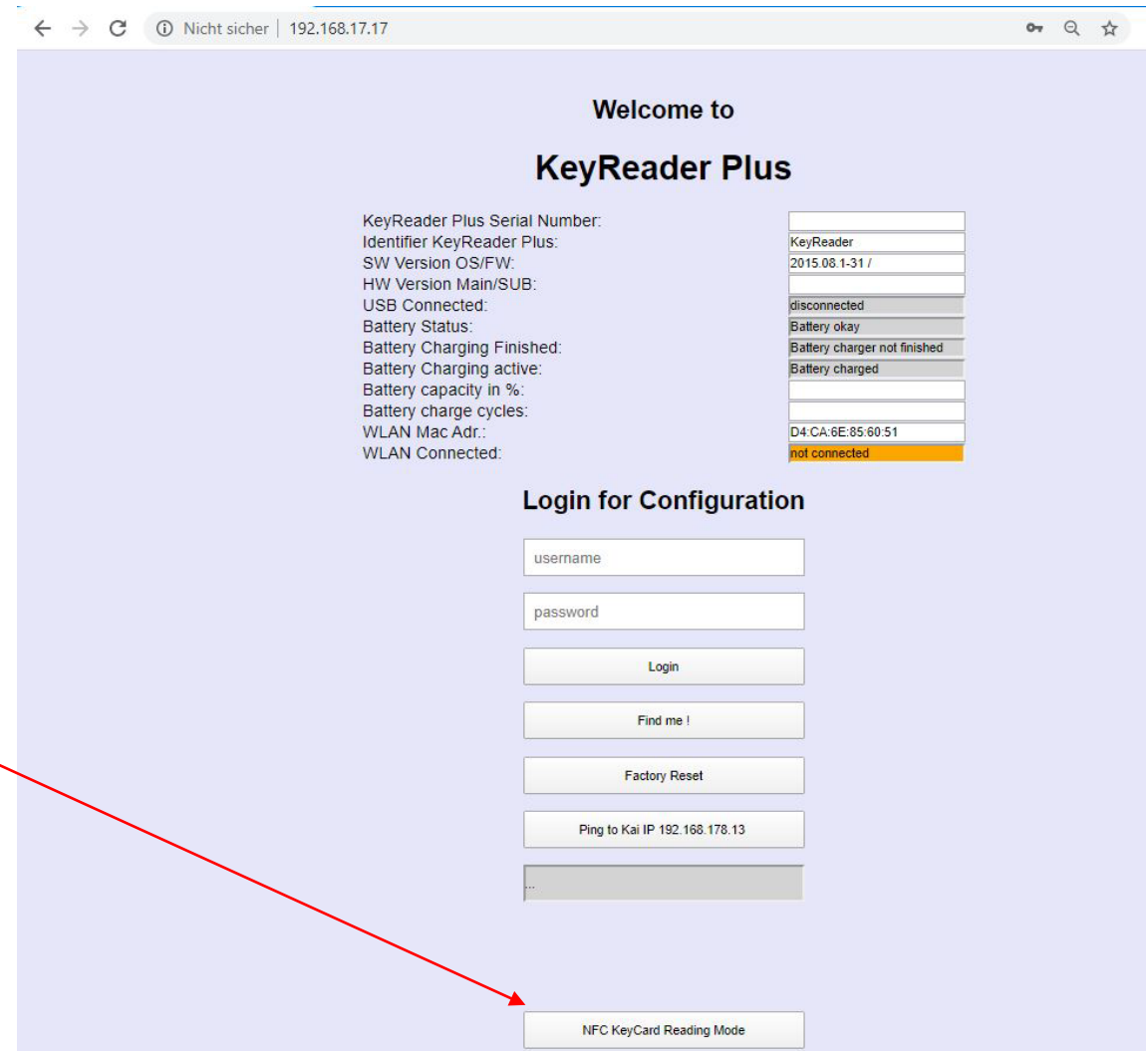


Figure 1: Configuration side for the KeyReader Plus with new button below

# DIGITAL KEY. KEYREADER PLUS MOBIL: VIN READING FROM KEY-CARD.



1. If an NFC Key-Card is now placed on the device and the **"read VIN"** button is activated, the VIN is displayed on the Windows computer



2. This VIN is only displayed in the new mask (figure 3) and will not be transferred to any server or PC.
3. The KeyReader Plus returns to normal operating mode by using the **"EXIT"** button" or any kind of reset of the device.



Figure 2: NFC Key-Card

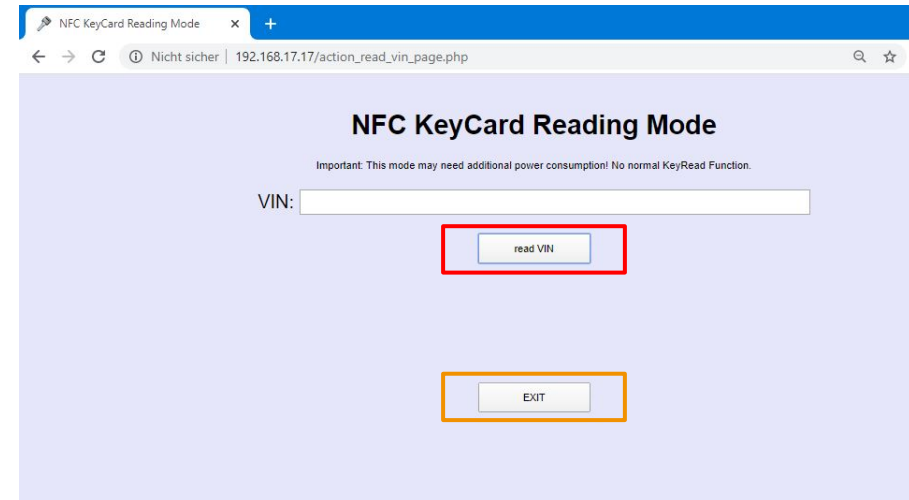


Figure 3: New Webside for VIN reading function from NFC Key-Card

## OPERATION AND DOOR ACCESS.

- Place an active BMW Key Card on the Driver's door handle and hold it until doors unlocked. **(Only the Driver's door handle is equipped with and NFC reader)**
- Each time the key card is placed on the door handle it will switch lock to unlock or vice versa.

### Correct Key Card position



### Correct Key Card position



## OPERATION / ENGINE START

- Place an activated BMW Key card on the NFC tray for engine start.



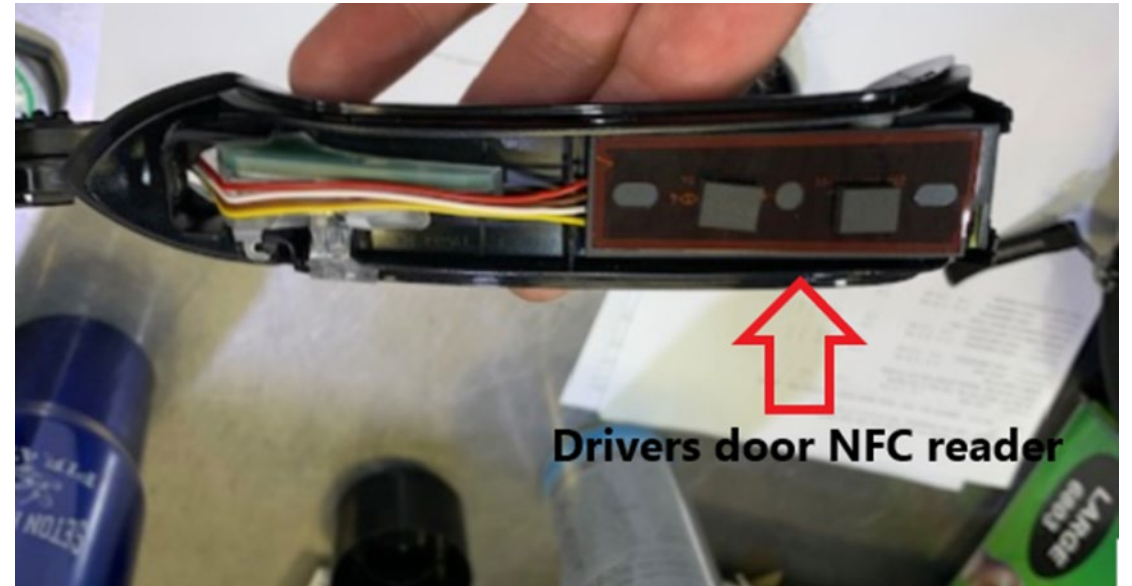
- Press the Start/Stop button





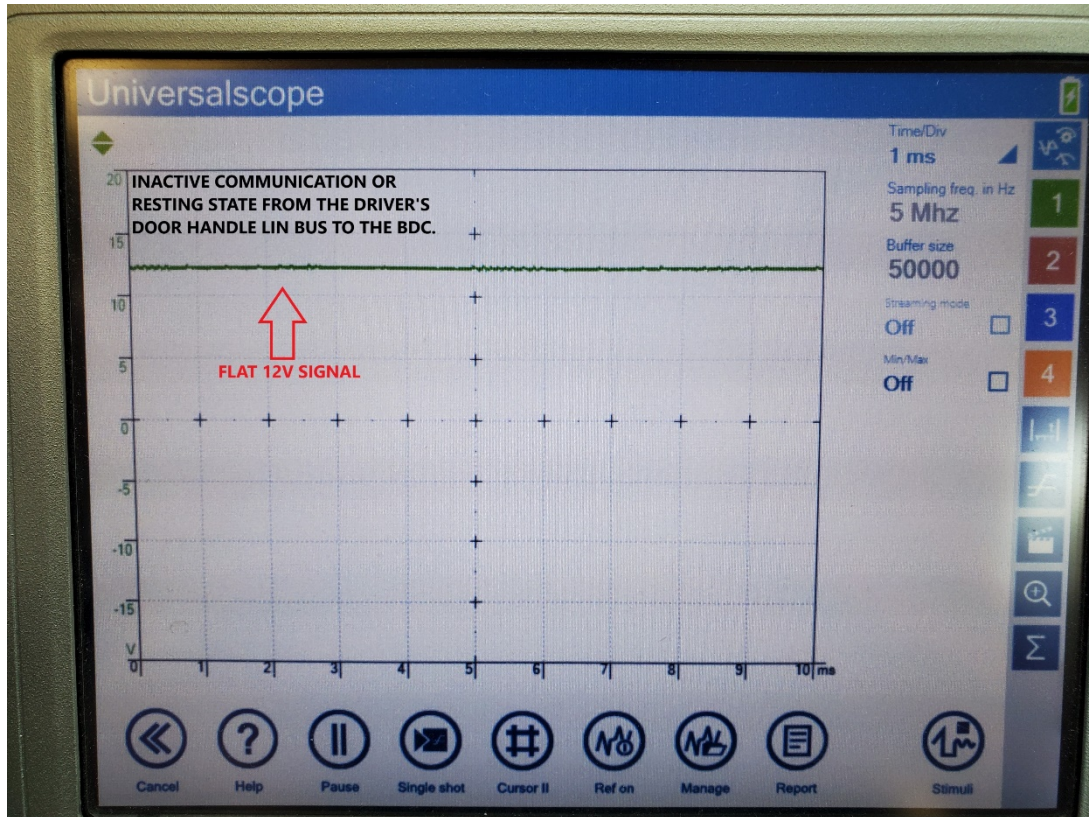
## OTHER CUSTOMER CONCERNS

- User error
- BMW Key Card not activated or blocked.
- Incorrect Key card or swapped from another vehicle.
- Quick tap on door handle or incorrect position of the Card at the door handle.
- Activation of the Key card while having remote control recognition issues.
- Damage Key Card
- Door handle NFC reader faulty or damage wiring.
- Fault :D90D52 - NFC-Reader exterior TAGE DRD: Missing LIN-Slave.

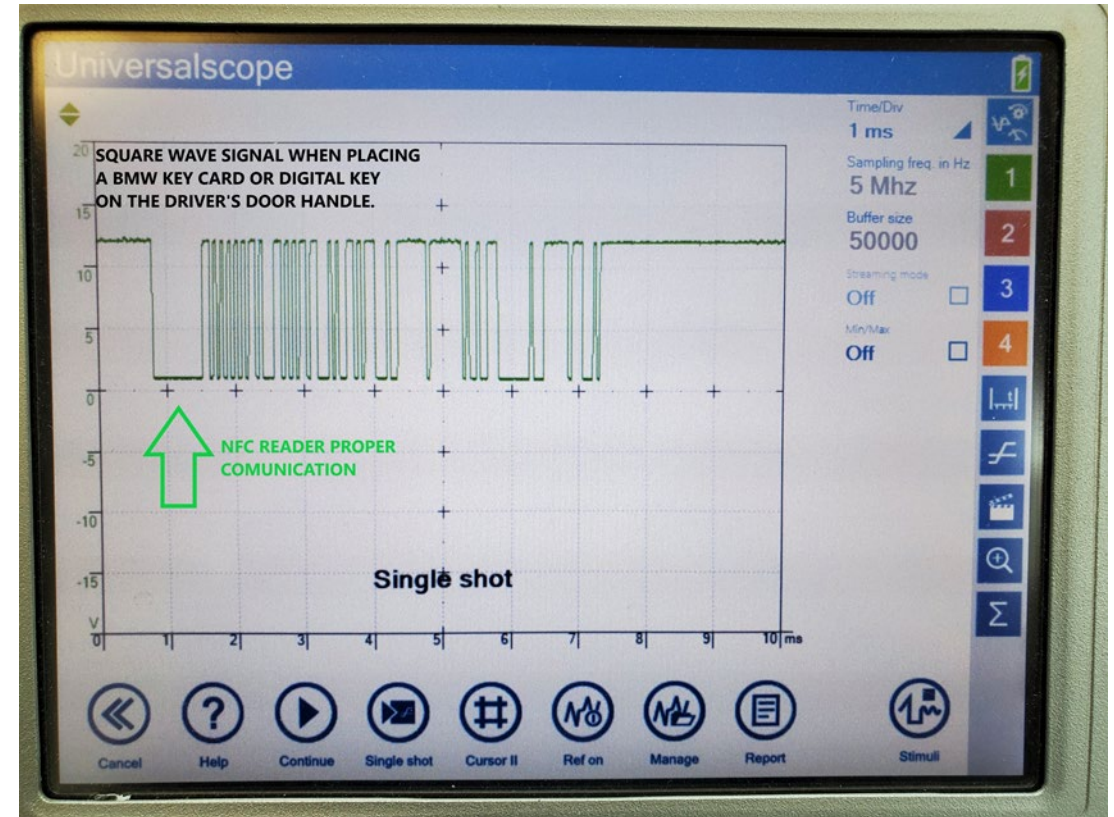


# NORMAL COMMUNICATION SIGNAL

- Constant 12V signal at rest state or 2 minutes after locking the vehicle.



- Square signal pattern when key card is placed on front of the reader.



## Q&A

- **DOES THE KEY CARD NEEDS TO BE ACTIVATED BEFORE USE? YES.**
- **DOES THE SECURITY PIN ON CONNECTED DRIVE HAS TO BE SET? NO, PIN ACTIVATION IS ONLY FOR DIGITAL KEY (CELL PHONE).**
- **CAN THE DEALER READ THE VIN OUT OF THE KEY CARD? YES, USING THE KEY READER PLUS (SEE SIB 65 17 21)**
- **IF THE KEY CARD IS LOST OR STOLEN CAN I BLOCKED THE KEY CARD? YES, THE CUSTOMER CAN DELETE ALL DIGITAL KEYS OR RESET FUNCTION WHICH WILL DISABLE ANY KEY CARD.**
- **IF THE FUNCTION IS RESET DO YOU NEED TO ORDER A NEW KEY CARD? NO, THE KEY CARD CAN BE RE-ACTIVATED BY FOLLOWING THE INITIAL INSTRUCTIONS.**
- **HOW MANY KEY CARDS CAN BE ACTIVE ON THE VEHICLE AT THE SAME TIME? ONLY ONE AT THE TIME.**
- **IS THE BMW KEY CARD VIN SPECIFIC? YES, THE KEY CARD IS CODED TO THE VEHICLE.**