

PSN			FF00	T 1 FROM RECEIVER TO	SRC ADDR	7		
RIORITY			6		PACKLTID	0x18FF0007		
TIMUNG			100 ms		7740,2110	OX 2011 3007		
	DATA D	DATA 1	DATA 2	DATA 3	DATA 4	DATA 5	DATA 6	DATA 7
BIT 1	D-1 TOGGLE		BLTTON 1	BUTTON 9	BUTTON 17	POWER BUTTON		2911111
BIT 2	RELINK		BLTTON 2	BUTTON 10	BUTTON 18	-		
BH 3		[BUILDING	BUITON 11	BULLON 19			
BIT 4			BLTTON 4	BUTTON 12	BUTTON 20			
BIT 5		-	BUTTON 5	BUTTON 13	BUTTON 21			
BIT 6			BUTTON 6	BUTTON 14	BUTTON 22			
BIT 7			BLTTON 7	BUTTON 15	BUTTON 23			
BH 8		[BUITON 8	BULLON 16	BUITON 24	•		
ынь		- 1		T 2 FROM RECEIVER TO		•		
ocu				1 2 FALIW RELEIVER 10		7		
PGN			FF01		SRC ADDR			
RIORITY			6		PACKETID	0x18FF0107		
TIMING	0.474.0	I 04754 I	100 ms	DATE A	53744	DATA F	0.474.6	
	DATA 0	DATA 1	DATA 2	DAT4.3	DATA 4	DATA 5	OATA S	D474.7
BIT 1	OUTPUT 1	OU-PUT 3	OUTPUT 17	-	-			
BH 2	OUIPUI 2	OUPULIO	ONIBRI 18	-	•	•	•	
BIT 3	OUTPUT 3	OJTPUT 11	OUTPUT 19	-			•	-
BIT 4	OUTPUT 4	OJTPUT 12	OJTPUT 20					
BIT 5	ослешт 5	О.ЛРЦТ 13	о.лрит эт	-	-	•	-	-
BITG	OUTPUT6	O TPUT IA	OJTPUT 22	-				
BH 7	DUIPUL 7	OUPUL15	(< IDAICO	-	-	-	•	-
BITS	STUTTJO	OJTPUT 16	OJTPUT 24	-			-	-
				T 3 FROM RECEIVER TO				
PGN			FF02		SRC ADDR	7		
RIORITY			G		PACKETIO	0x18FF0207		
TIMING			500ms					
	DATA 0	DATA 1	DATA 2	DATA 3	DATA 1	DATA 5	DATA S	DATA 7
BH 1			WRONG REID	DCTPUT6 ERROR	DUTPU 14 LRROR	OUTPUT 22 ERROR	-	-
BIT 2	_		LOW VOLTAGE	DUTPUT 7 ERROR	DUTPUT 15 ERROR	OUTPUT 23 ERROR	-	-
DIT 9	_		BUTTON ERROR	OUTPUT 8 ERROR	OUTPUT 15 ERROR	OUTPUT 24 ERROR		
BIT 3			OUTPUT 1 FRROR	OUTPUT 9 FRROR	ΩUTPU™ 17 FRRΩR		-	-
BIT 3	DATTERY US						-	
	BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 2 ERROR	OUTPUT LO ERROR	OUTPUT 18 ERROR			
BIT 4	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 2 ERROR OUTPUT 3 FRIK()R	OUTPUT LO ERROR OUTPUT 11 FRROR	OUTPUT 18 ERROR OUTPUT 19 ERROR			
BIT 4 BIT 5	- BATTERY VO	LTAGE 0.05V/BIT				-		-
BIT 4 BIT 5 BIT 6	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUL 3 FHROR	OUTPUT 11 FRROR	OUTPU 19 FRROR		•	
BIT 4 BIT 5 BIT 6 BIT 7	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 3 FRIK()R OUTPUT 4 ERROR OUTPUT 5 LRROR	OUTPUT 11 FRROR OUTPUT 12 ERROR	OUTPUT 19 FRROR OUTPUT 20 ERROR OUTPUT 21 LRROR	•	•	-
BIT 4 BIT 5 BIT 6 BIT 7	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 3 FRIK()R OUTPUT 4 ERROR OUTPUT 5 LRROR	OUTPUT 11 FRIRGR OUTPUT 12 ERROR OUTPUT 13 LRROR	OUTPUT 19 FRROR OUTPUT 20 ERROR OUTPUT 21 LRROR	- - - -	-	
BIT 4 BIT 5 BIT 7 BIT 8	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 3 FHROR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE	OUTPUT 11 FRIRGR OUTPUT 12 ERROR OUTPUT 13 LRROR	OUTPU 19 FRIGH OUTPUT 20 ERROR OUTPUT 21 LRROR TO RECEIVER	6 0x12FF0006		
BIT 4 BIT 5 BIT 6 BIT 7 BIT 8 PGN RIORITY	- BATTERY VO	LTAGE 0.05V/BIT	OUTPUT 3 FHROR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FFRO	OUTPUT 11 FRIRGR OUTPUT 12 ERROR OUTPUT 13 LRROR	OUTPUT 20 ERROR OUTPUT 21 ERROR OUTPUT 21 ERROR TO RECEIVER SRC ADDR			-
BIT 4 BIT 5 BIT 6 BIT 7 BIT BIT B	DATA 0	LTAGE 0.05V/BIT	OUTPUT 3 FHROR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FFGO 6	OUTPUT 11 FRIRGR OUTPUT 12 ERROR OUTPUT 13 LRROR	OUTPUT 20 ERROR OUTPUT 21 ERROR OUTPUT 21 ERROR TO RECEIVER SRC ADDR			DATA 7
BIT 4 BIT 5 BIT 6 BIT 7 BIT BIT B			OUTPUT 3 FRIKOR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FF(0) 6 100ms	OUTPUL 11 FRIK()R OUTPUT 12 ERROR OUTPUT 13 LRROR T 4 FROM CONTROLLER	OUTPU 19 FRIKOR OUTPUT 20 ERROR OUTPUT 21 LRROR TO RECEIVER SRC AUDR PHICKET ID	0x18FF0006		DATA 7
BIT 4 BIT 5 BIT 6 BIT 7 BIT B PGN RIORITY TIMING			OUTPUT 3 FRIKOR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FF(0) 6 100ms	OUTPUL 11 FRIK()R OUTPUT 12 ERROR OUTPUT 13 LRROR T 4 FROM CONTROLLER	OUTPU 19 FRIKOR OUTPUT 20 ERROR OUTPUT 21 LRROR TO RECEIVER SRC AUDR PHICKET ID	0x18FF0006		DATA 7
BIT 4 BIT 5 BIT 6 BIT 7 BIT 8 PGN RIORITY TIMING			OUTPUT 3 FRIKOR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FF(0) 6 100ms	OUTPUL 11 FRIK()R OUTPUT 12 ERROR OUTPUT 13 LRROR T 4 FROM CONTROLLER	OUTPU 19 FRIKOR OUTPUT 20 ERROR OUTPUT 21 LRROR TO RECEIVER SRC AUDR PHICKET ID	0x18FF0006		DATA 7
BIT 4 BIT 5 BIT 6 BIT 7 BIT B PGN RIGHTY TIMING BIT 1 BIT 2	DATA D	DATA 1	OUTPUT 3 FHIKM OUTPUT 4 ERROR OUTPUT 5 LIROR CAN PACKE FFEO 6 100ms DATA 2	OUIPUI 11 HIROR OUTPUT 12 ERROR OUTPUT 13 LIROR T 4 FROM CONTROLLER DATA 3	OUTPU 19 HIROM OUTPUT 20 ERROR OUTPUT 21 LIRON TO RECEIVER SRC ADDR PACKET ID DATA 1	0x18FF0006 DATA 5		'
BIT 4 BIT 5 BIT 6 BIT 7 BIT 8 PGN RICARTY TIMUNG BIT 1 BIT 2 BIT 3			OUTPUT 3 FRIKOR OUTPUT 4 ERROR OUTPUT 5 LRROR CAN PACKE FF(0) 6 100ms	OUIPUI 11 HIROR OUTPUT 12 ERROR OUTPUT 13 LIROR T 4 FROM CONTROLLER DATA 3	OUTPU 19 FRIKOR OUTPUT 20 ERROR OUTPUT 21 LRROR TO RECEIVER SRC AUDR PHICKET ID	0x18FF0006	DATA 6	'
BIT 4 BIT 5 BIT 6 BIT 7 BIT 8 PGN RIORITY TIMING BIT 1 BIT 2 BIT 3 BIT 4	DATA D	DATA 1	OUTPUT 3 FHIKM OUTPUT 4 ERROR OUTPUT 5 LIROR CAN PACKE FFEO 6 100ms DATA 2	OUIPUI 11 HIROR OUTPUT 12 ERROR OUTPUT 13 LIROR T 4 FROM CONTROLLER DATA 3	OUTPU 19 HIROM OUTPUT 20 ERROR OUTPUT 21 LIRON TO RECEIVER SRC ADDR PACKET ID DATA 1	0x18FF0006 DATA 5		'
BIT 4 BIT 5 BIT 6 BIT 7 DIT B PGN RIORITY TIMING BIT 1 BIT 2 DIT 3 BIT 4 BIT 5	DATA D	DATA 1	OUTPUT 3 FHIKM OUTPUT 4 ERROR OUTPUT 5 LIROR CAN PACKE FFEO 6 100ms DATA 2	OUIPUI 11 HIROR OUTPUT 12 ERROR OUTPUT 13 LIROR T 4 FROM CONTROLLER DATA 3	OUTPU 19 HIROM OUTPUT 20 ERROR OUTPUT 21 LIRON TO RECEIVER SRC ADDR PACKET ID DATA 1	0x18FF0006 DATA 5		'

CAN MESSAGING:

• The three packets to the left are sent from the receiver to the controller. Their indexes	are as follows
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Packet 1 message index = 0 Packet 2 message index = 1 Packet 3 message index = 2

• The fourth packet can be sent to the receiver to change the settings of the three packets above

• Details of each packet are below

PACKET 1:

• This packet toggles Bit 1 under DATA 0, reports the link status between the transmitter & receiver, and the status of each of the transmitter's inputs

Example:

This reports that the toggling bit is currently low, the transmitter & receiver are linked, that switch 1 & 3 are pressed on the transmitter.

PACKET 2:

• This packet reports the status of each of the receiver's outputs (on or off).

• Example: (Decimal)136 0 0 0 0 0 0 0 0 0 0 (HEX) 0x88 0x00 0x00 0x00 0x00 0x00 0 0 0 0

This reports that the following outputs are ON: output 4 and output 8.

PACKET 3:

 This packet reports the battery voltage applied to the receiver and any error codes if present. For battery voltage, byte 0 is the least significant byte and byte 1 is the most significant.

Example:

This reports that the battery voltage is at 13.9V and that there is an error with output 14.

PACKET 4:

This packet is used to configure Packets 1-3, if different settings are desired.

- -PGN: the address number of the device to communicate with on the bus. Byte 2 is the least significant byte and byte 3 is the most significant.
- -Source Address: the address of the receiver.
- -Priority: the importance for the packet
- -Period: the time interval between packets sent on the bus. Byte 6 is the least significant byte and byte 7 is the most significant. Period should be entered in ms.
- Example:

(Decimal) 0 0 239 255 3 6 50 0 (HEX) 0 0x00 0xEF 0xFF 0x03 0x06 0x32 0x00

This sets Packet 1's packet ID from 0x18FF0007 to 0x0CFFEF06 and changes the period to 50ms.

• To return all three packets to the default settings shown to the left, send the following:

(Decimal) 0 3 0 0 0 0 0 0 0 (HEX) 0 0x00 0x00 0x00 0x00 0x00 0x00 0x00

SPECIFICATIONS:

- Baud Rate = 250K
- Make sure your CAN bus has the proper terminating resistors installed. These are two 150 ohm resistors across CAN HIGH and CAN LOW, on at either end of the CAN bus.