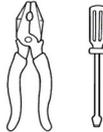
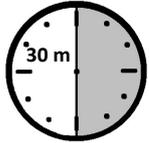
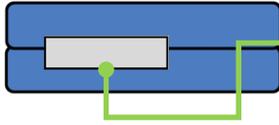


	<h2 style="margin: 0;">UNIKA GM LAN</h2> <h3 style="margin: 0;">CF00381CPR23- 31-52 PA</h3> <h3 style="margin: 0;">INSTALLATION MANUAL</h3>	 
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**DESCRIPTION**

UNIKA GM LAN is a universal adapter for OEM steering wheel controls; its compatibility extends to vehicles with GM LAN protocol and with the Parrot hands-free kits of the MKi and Asteroid line. Its function is completely managed by a microprocessor able to learn the OEM steering wheel command protocol. The GM LAN protocol programming is in self-selection.

<b>CABLE DESCRIPTION</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">22</td><td style="text-align: center;">21</td><td style="text-align: center;">20</td><td style="text-align: center;">19</td><td style="text-align: center;">18</td><td style="text-align: center;">17</td><td style="text-align: center;">16</td><td style="text-align: center;">15</td><td style="text-align: center;">14</td><td style="text-align: center;">13</td><td style="text-align: center;">12</td> </tr> <tr> <td style="text-align: center;">11</td><td style="text-align: center;">10</td><td style="text-align: center;">9</td><td style="text-align: center;">8</td><td style="text-align: center;">7</td><td style="text-align: center;">6</td><td style="text-align: center;">5</td><td style="text-align: center;">4</td><td style="text-align: center;">3</td><td style="text-align: center;">2</td><td style="text-align: center;">1</td> </tr> </table>	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
22	21	20	19	18	17	16	15	14	13	12														
11	10	9	8	7	6	5	4	3	2	1														

POS.	COLOR	FUNCTION
1	RED	<b>12V</b>
2	BLACK	<b>GND</b>
3		
4	PINK	NOT USED FOR GM LAN VEHICLES
5	GREEN / BLACK	NOT USED FOR GM LAN VEHICLES
6	GREY	NOT USED FOR GM LAN VEHICLES
7	YELLOW / WHITE	NOT USED FOR GM LAN VEHICLES
8	ORANGE	NOT USED FOR GM LAN VEHICLES
9	BLUE	NOT USED FOR GM LAN VEHICLES
10	PINK WHITE	NOT USED FOR GM LAN VEHICLES
11	BROWN	NOT USED FOR GM LAN VEHICLES
12	RED	NOT USED FOR GM LAN VEHICLES
13	GREY / BLACK	NOT USED FOR GM LAN VEHICLES
14	YELLOW / BROWN	NOT USED FOR GM LAN VEHICLES
15	RED / BLUE	NOT USED FOR GM LAN VEHICLES
16	PINK / BLACK	NOT USED FOR GM LAN VEHICLES
17	GREY / BLACK	<b>GND</b>
18	VIOLET	NOT USED FOR GM LAN VEHICLES
19	GREEN	<b>GM LAN</b>
20	WHITE	NOT USED FOR GM LAN VEHICLES
21	BLUE / YELLOW	<b>IGNITION INPUT FROM CAR CABLE</b>
22	RED / YELLOW	<b>IGNITION OUTPUT</b>

<b>DIP SWITCHES</b>	
UNIKA GM LAN haS 4 dip switches to set before to power the module.	
DIP 1 ON 	NOT MANAGED
DIP 1 OFF 	GM LAN PROTOCOL
DIP 2 	NOT MANAGED
DIP 3 ON 	IGNITION INPUT FROM CAR CABLE
DIP 3 OFF 	IGNITION FROM GM LAN
DIP 4 ON 	TO MANAGE THE UPGRADE OF THE MODULE
DIP 4 OFF 	TO SET OFF WHEN UPGRADE IS DONE

	<b>SET DIP SWITCHES WITH UNIKA GM LAN MODULE NOT POWERED</b>
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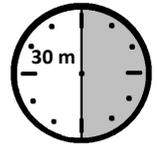
	<b>ATTENTION DIP 4 MUST TO BE SET OFF ONCE THE UPGRADE IS FINISHED</b>
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	<b>ATTENTION IN CASE OF INSTALLATION OF THIS MODULE WITH ASTEROID TABLET PLEASE CUT THE GREEN - BLACK WIRE AS DESCRIPIT IN THE NEXT PEGES</b>
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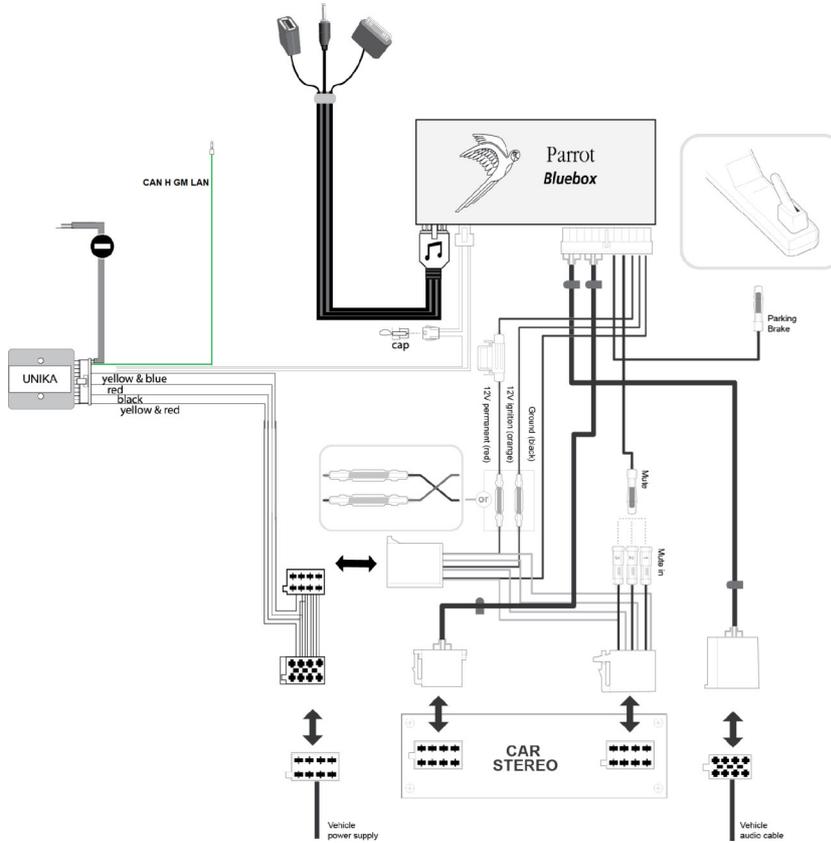
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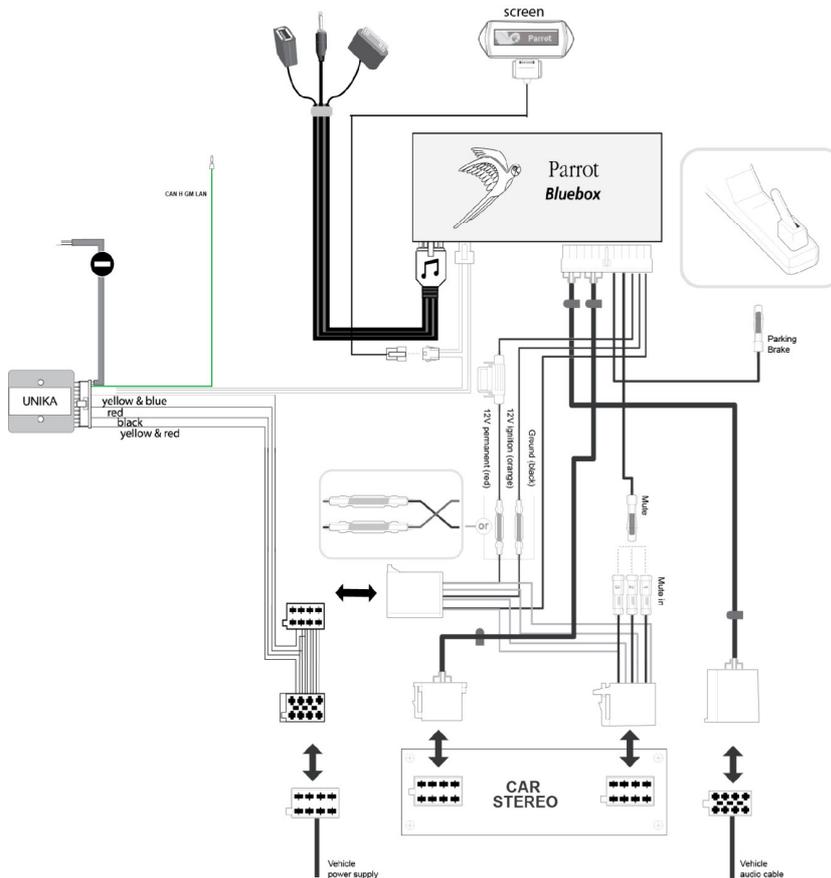
# UNIKA GM LAN CF00381CPR23- 31-52 PA INSTALLATION MANUAL



## INSTALLATION DIAGRAM MK1 9000

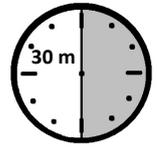


## INSTALLATION DIAGRAM MK1 9100

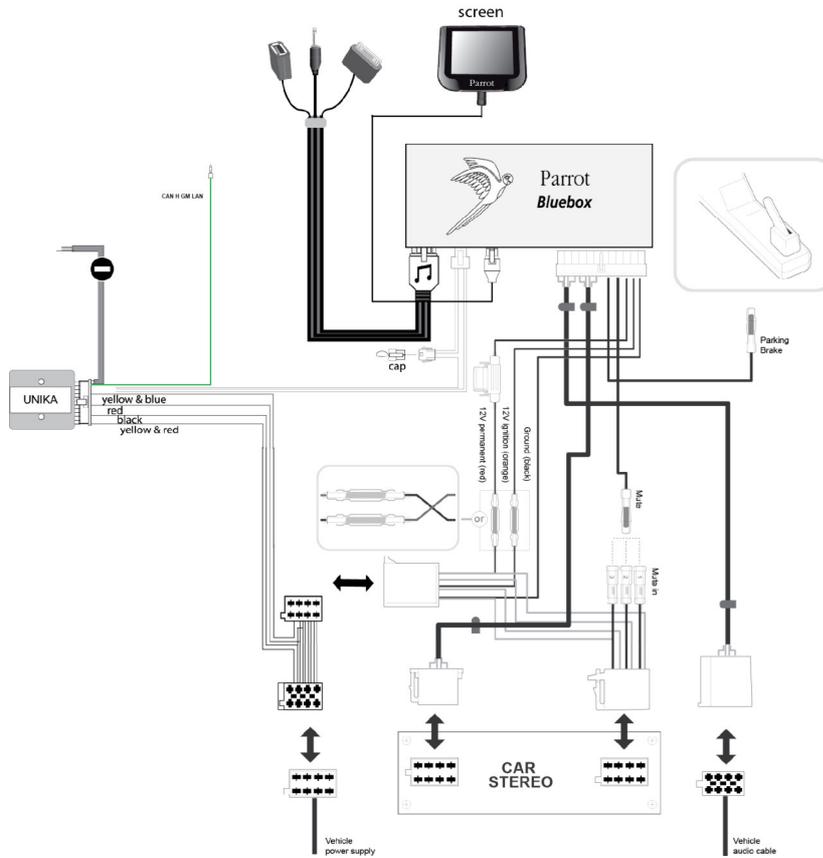




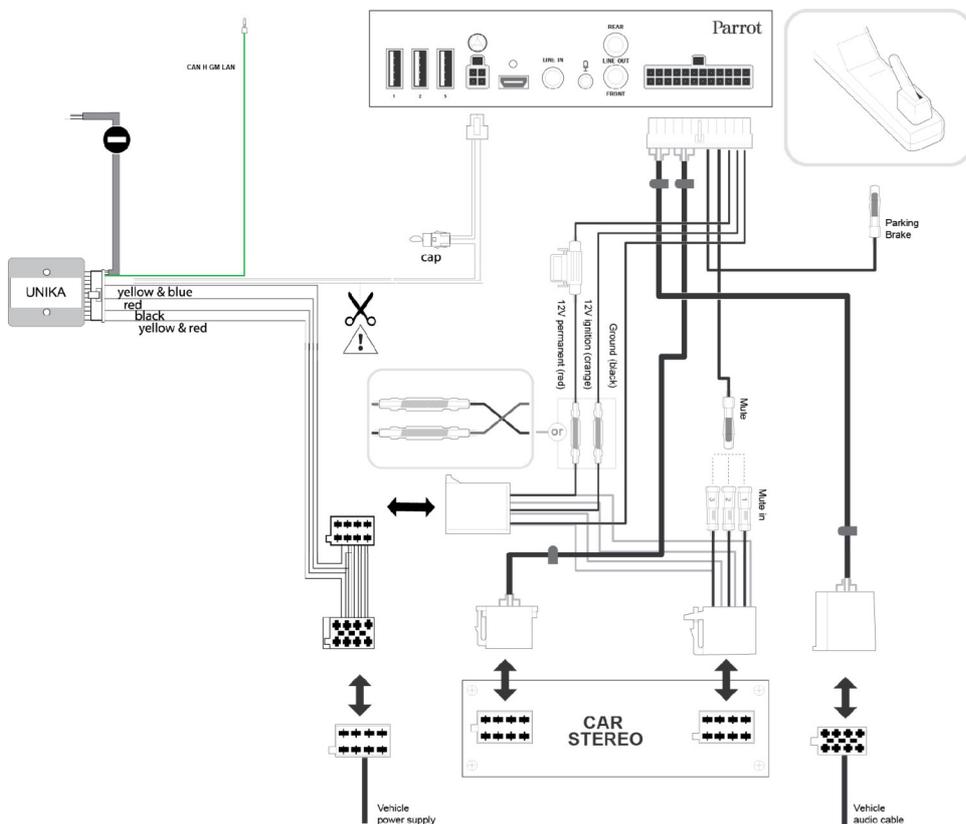
# UNIKA GM LAN CF00381CPR23- 31-52 PA INSTALLATION MANUAL



## INSTALLATION DIAGRAM MK1 9200



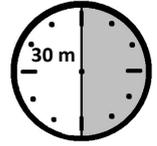
## INSTALLATION DIAGRAM ASTEROID TABLET



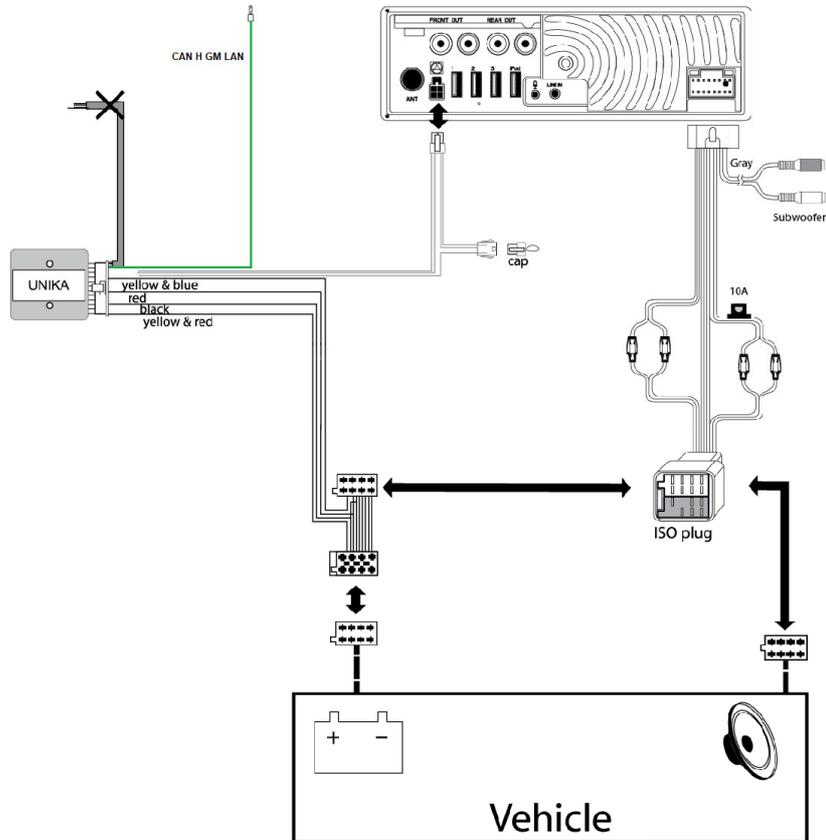
**ATTENTION WITH ASTEROID TABLET PLEASE CUT THE GREEN - BLACK OF THE 4 PINS CONNECTOR**



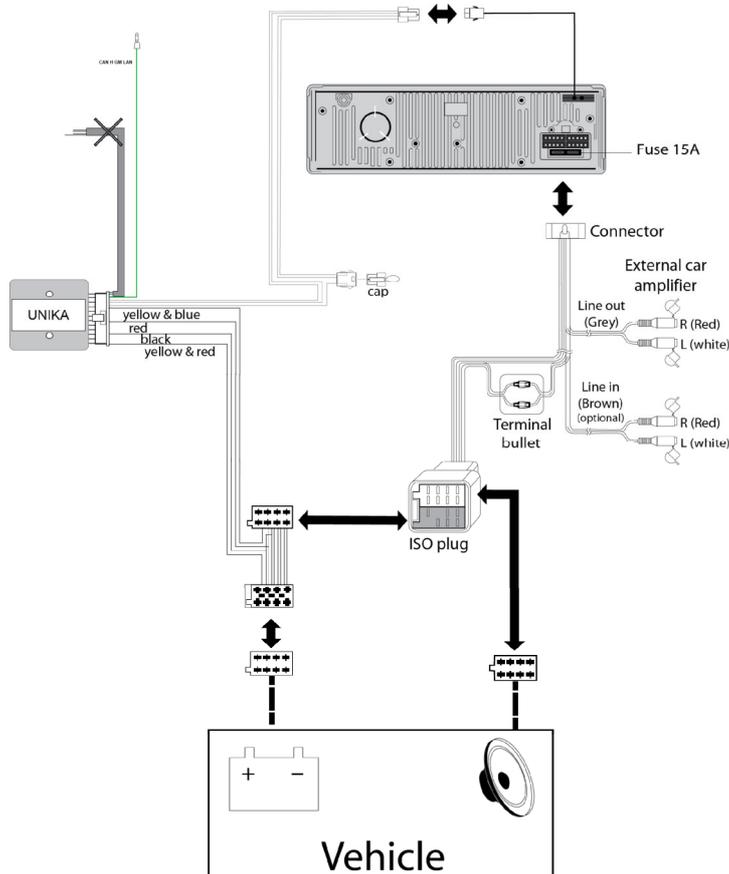
# UNIKA GM LAN CF00381CPR23- 31-52 PA INSTALLATION MANUAL

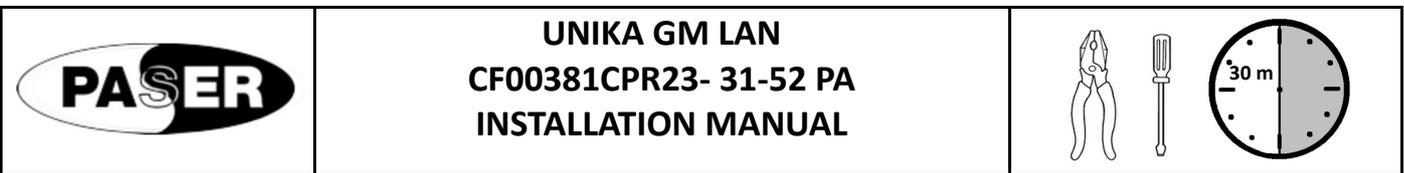


## INSTALLATION DIAGRAM ASTEROID RADIO



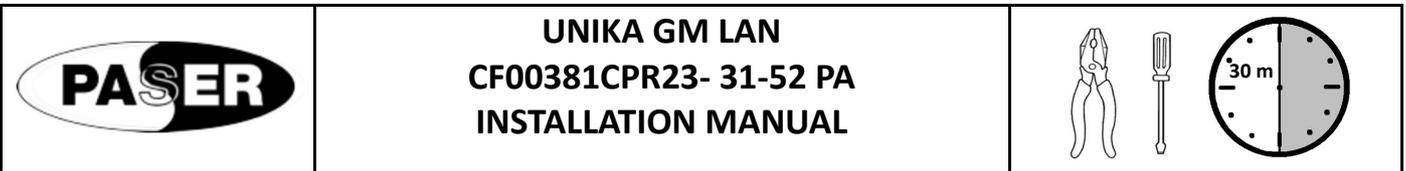
## INSTALLATION DIAGRAM RKi RADIO





MKI LINE MODE A THIS MODE WORKS WHEN SRC AND PHONES BUTTONS AREN'T AVAILABLE	Volume Buttons	SEEK Buttons
Answer	V+ (short)	
Refuse	V- (short)	
Vocal Call	V+ (breve) SEQUITO DA V- (breve) IN MP3 V+ (breve)	
Re-Dial Last Number	V+ (breve) SEQUITO DA V- (lungo) IN MP3 V+ (lungo)	
Higher volume Call / MP3	V+(short) FOLLOWED BY V- (short)	
Lower volume Call / MP3	V- (short) FOLLOWED BY V+ (short)	
Enter Discretee MODE	V+ (short)	
Exit Discretee MODE	V+ (short)	
Close the Call	V- (short)	
MENU selection		SEQUENCE S+S-S-
Scroll MENU up		S+ (short)
Scroll MENU down		S- (short)
Confirm MENU choice	V+ (short)	
Next MP3 Track		S+ (short)
Previous MP3 Track		S- (short)
MP3 Play - Pause		SEQUENCE S- S+
Back MENU	V- (short)	
Mute Mic		SEQUENCE S- S+

MODE C THIS MODE IS WORKS WHEN TEL BUTTON IS AVAILABLE AND PUSHED.	Tel Button	Vol Buttons	SEEK Buttons
Answer	TEL (Short)		
Refuse	TEL (long)		
Vocal Call	TEL (Short)		
Re-Dial Last Number	TEL (long)		
Higher volume Call / MP3		V+	
Lower volume Call / MP3		V-	
Enter Discretee MODE	TEL (Short)		
Exit Discretee MODE	TEL (Short)		
Close the Call	TEL (long)		
MENU selection			SEQUENCE S+S-S-
Scroll MENU up			S+ (Short)
Scroll MENU down			S- (Short)
Confirm MENU choice	TEL (Short)		
Next MP3 Track			S+ (Short)
Previous MP3 Track			S- (Short)
MP3 Play - Pause			SEQUENCE S- S+
Back MENU	TEL (long)		
Mute Mic			SEQUENCE S- S+



MKI LINEMODE D THIS MODE IS WORKS WHEN PHONES BUTTONS ARE AVAILABLE AND PUSHED.	ANSWER	REFUSE	Vol Buttons	SEEK Buttons
Answer	Answer (Short)			
Refuse		Refuse (Short)		
Vocal Call	Answer (Short)			
Re-Dial Last Number	Answer (long)			
Higher volume Call / MP3			V+	
Lower volume Call / MP3			V-	
Enter Discreete MODE	Answer (Short)			
Exit Discreete MODE	Answer (Short)			
Close the Call		Refuse (Short)		
MENU selection				SEQUENCE S+S-S+S-
Scroll MENU up				S+ (Short)
Scroll MENU down				S- (Short)
Confirm MENU choice	Answer (Short)			
Next MP3 Track				S+ (Short)
Previous MP3 Track				S- (Short)
MP3 Play - Pause				SEQUENCE S- S+
Back MENU		Refuse (Short)		
Mute Mic				SEQUENCE S- S+

DELETE KIT MEMORY SEQUENCE V- V+ 5 TIMES (ONLY MKi 9000)

V = VOLUME

S = SEEK

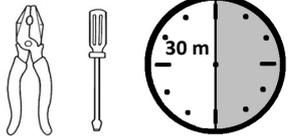
SHORT = SHORT PRESS OF THE BUTTON

LONG = LONG PRESS OF THE BUTTON

SRC= SOURCE BUTTON

ANSWER= ANSWER PHONE BUTTON

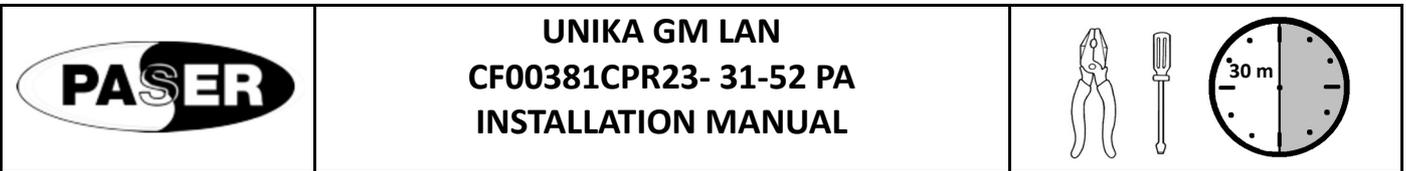
REFUSE = REFUSE PHONE BUTTON

	<b>UNIKA GM LAN</b> <b>CF00381CPR23- 31-52 PA</b> <b>INSTALLATION MANUAL</b>	
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<b>ASTEROID LINE MODE A</b> THIS MODE WORKS WHEN SRC AND PHONES BUTTONS AREN'T AVAILABLE	Volume Buttons	SEEK Buttons
Answer		S+ (Short)
Refuse		S- (Short)
Higher volume Call / MP3	V+	
Lower volume Call / MP3	V-	
Enter Discretee MODE Exit Discretee MODE		S+ (Short)
Close the Call		S- (Short)
Next MP3 Track		S+ (Short)
Previous MP3 Track		S- (Short)
MP3 Play - Pause		SEQUENCE S- S+

<b>ASTEROID LINE MODE C</b> THIS MODE WORKS WHEN TEL BUTTON IS AVAILABLE AND PUSHED.	Tel Button	SRC Button	Vol Buttons	SEEK Buttons
Answer	TEL (Short)			
Refuse				S- (Short)
Vocal call	TEL (Short)			
Higher volume Call / MP3			V+	
Lower volume Call / MP3			V-	
Enter Discretee MODE Exit Discretee MODE	TEL (Short)			
Close the Call				S- (Short)
Next MP3 Track				S+ (Short)
Previous MP3 Track				S- (Short)
Play - Source selection		SRC (Short)		

<b>ASTEROID LINE MODE D</b> THIS MODE WORKS WHEN PHONES BUTTONS ARE AVAILABLE AND PUSHED.	ANSWER	REFUSE	SRC	Vol Buttons	SEEK Buttons
Answer	Answer (Short)				
Refuse		Refuse (Short)			
Vocal Call	Answer (Short)				
Higher volume Call / MP3				V+	
Lower volume Call / MP3				V-	
Enter Discretee MODE Exit Discretee MODE	Answer (Short)				
Close the Call		Refuse (Short)			
Next MP3 Track					S+ (Short)
Previous MP3 Track					S- (Short)
Play - Source selection			SRC		



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#### TECHNICAL CHARACTERISTICS

POWER SUPPLY	10/16 VDC
ABSORPTION AT REST	0,001 A
ABSORPTION WHEN WORKING	0,040 A
MAX CHARGE IGNITION OUTPUT	2,000 A

#### WARRANTY

**THIS PRODUCT IS COVERED BY TWO-YEAR GUARANTEE FOR ANY MANUFACTURING TROUBLES. THE WARRANTY IS VALID IF ACCOMPAINED BY THE INVOICE OF PURCHASE**