

SiRun (Wuxi) Technology Co., Ltd.

FCC: 2A673-SRTL-TCU

IC: 30545-SRTLTCU

User Manual

Product name PMN: Tele-matic Control Unit

Model: SRTL-NA

CONTENT

Part 1 Style figure

Part 2 Product Information

Part 3 Function List

Part 4 Statement

Manufacturer: SiRun (Wuxi) Technology Co., Ltd.

Address: Plant No. 5, Export Processing Zone, Xinwu District,

Wuxi City, Jiangsu Province

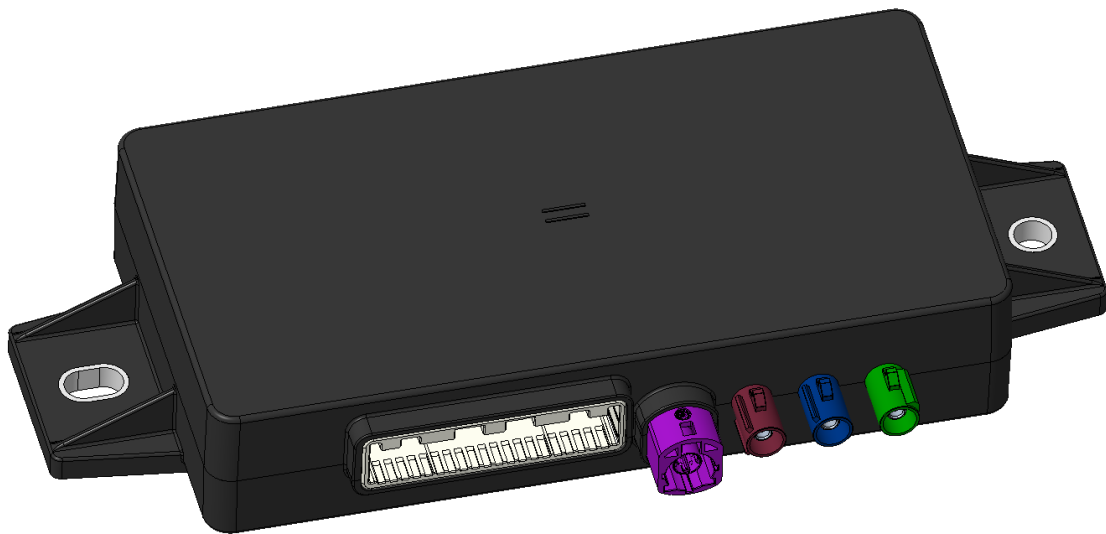
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Overview

Note: This product is only provided to OEM (Car maker) and installed in OEM's factory as part of the vehicle, the driver or car owner is not supposed to operate this product by their own.

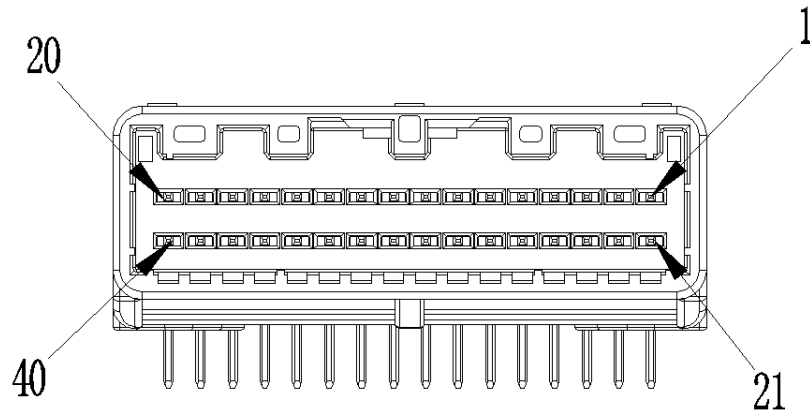
Operation can only be done by OEM's engineers with designated tools.

Part 1 Style figure



1.1 Connection Pin Definition

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No.	Definition	Remark	No.	Definition	Remark
1	KL15	ACC Ignition	21	RELAY_1_LOW	Relay Out, valid when it's low
2	INPUT1-IN1	External Input, +12V Valid when High	22	RELAY_2_LOW	Relay Out, valid when it's low
3	GND	GND	23	RELAY_3_LOW	Relay Out, valid when it's low
4	MIC_IN_GND	MIC Input Ground Shield	24	RELAY_4_LOW	Relay Out, valid when it's low
5	MIC_IN	MIC Input+	25	MIC_IN-	MIC Out-
6	MIC_OUT_GND	MIC Input-	26	MIC_OUT	MIC Out+
7	AUDIO_OUT_GND	AUDIO Output Ground Shield	27	INPUT5-B_CALL	External Input, +12V Valid when High
8	AUDIO_OUT+	AUDIO Out+	28	AUDIO_OUT-	AUDIO Out-
9	SPK-	Speaker Out-	29	BTN_GND	Button GND
10	SPK+	Speaker Out+	30	INPUT6-I_CALL	External Input, +12V Valid when High
11	INPUT2-IN4	External Input, +12V Valid when High	31	INPUT7-E_CALL	External Input, +12V Valid when High
12	LED_GND	LED ground	32	INPUT8-IN5	External Input, +12V Valid when High
13	INPUT3-IN2	External Input, +12V Valid when High	33	LED_OUT	Reading LED Output +4V
14	INPUT4-IN3	External Input, +12V Valid when High	34	B_CALL_LED_OUT	B_CALL LED output +4V
15	RELAY_7_LOW	Relay Out, valid when it's low	35	RELAY_5_LOW	Relay Out, valid when it's low
16	RELAY_8_LOW	Relay Out, valid when it's low	36	RELAY_6_LOW	Relay Out, valid when it's low
17	CAN2FD_H	CAN2	37	CAN2FD_L	CAN2
18	CAN1FD_L	CAN1	38	CAN1FD_H	CAN1
19	CAN0FD_H	CAN0-FD	39	CAN0FD_L	CAN0-FD
20	KL. 30	Battery+	40	KL. 31	Battery-

Part 2 Product information

1. It is forbidden for users to change the device privately.

2. Operating Parameter:

2.1 Security: Please pay attention to the power supply and priority.

2.2 Frequency:

Emission source	Frequency
CPU	1.2GHZ
Crystal Oscillator	8MHz

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2.3 Specification:

Electrical Specification	Parameters:	Range:
Output Power	Max. Output	12V
Temperature Range	Operating Temperature	-30~+85℃
	Storage Temperature	-40~+85℃
Input Parameter	Voltage/Current	DC 6~36V 5mA~500mA
Charging Efficiency	Rx Output Power VS Tx Input Power	$\approx 3.6V/5V \approx 72\%$
Charging operating Frequency	/	/
NFC operating Frequency	/	/

3. Working Frequency

3.1 WAN Frequency

3GPP	Send	Receive	Unit
GSM850	824~849	869~894	MHz
PCS1900	1850~1910	1930~1990	MHz
WCDMA B2	1850~1910	1930~1990	MHz
WCDMA B4	1710~1755	2110~2155	MHz
WCDMA B5	824~849	869~894	MHz
LTE-FDD B2	1850~1910	1930~1990	MHz
LTE-FDD B4	1710~1755	2110~2155	MHz
LTE-FDD B5	824~849	869~894	MHz
LTE-FDD B7	2500~2570	2620~2690	MHz
LTE-FDD B12	699~716	729~746	MHz
LTE-FDD B13	777~787	746~756	MHz
LTE-FDD B17	704~716	734~746	MHz

3.2.GNSS Frequency

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Type	Frequency	Unit
GPS	1575.42 ± 1.023	MHz
GLONASS	1597.5~1605.8	MHz
Galileo	1575.42 ± 2.046	MHz
BeiDou	1561.098 ± 2.046	MHz
QZSS	1575.42	MHZ

4. Manufactured Name/ address: Plant No. 5, Export Processing Zone, Xinwu District, Wuxi City, Jiangsu Province

Part 3 Function List

The main features of this system are described in following table.

Function	Model:
WAN	QUECTEL_AG35-NA
CAN	NXP TJA1044GT/3
Ethernet IC	
GPS(Reserved)	QUECTEL_AG35-NA

Part 4 Statement

FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

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- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 35cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Warning

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.