

# Akuvox Manual - Basic - R20K-Silver-On-Wall-V3.0

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- SERVICE
- QUALITY

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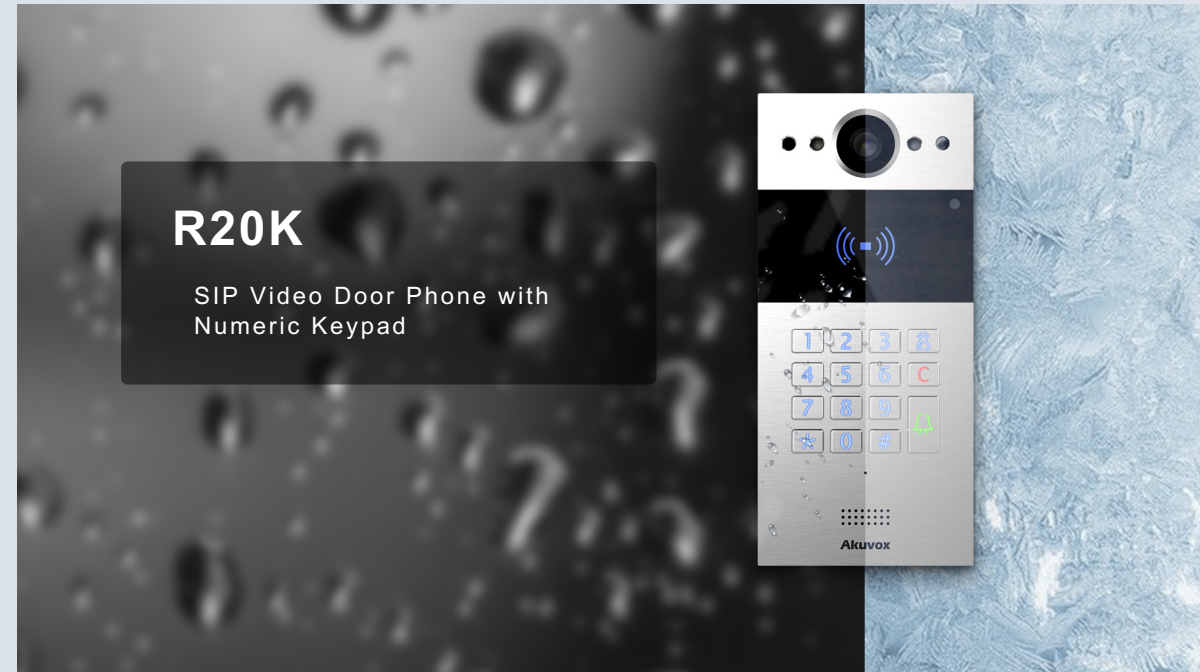


# Introduction

## Details

- **Numeric Keypad**
- **RFID (13.56MHz & 125KHz)**
- **NFC**
- **SIP**
- **ONVIF**
- **IP65**

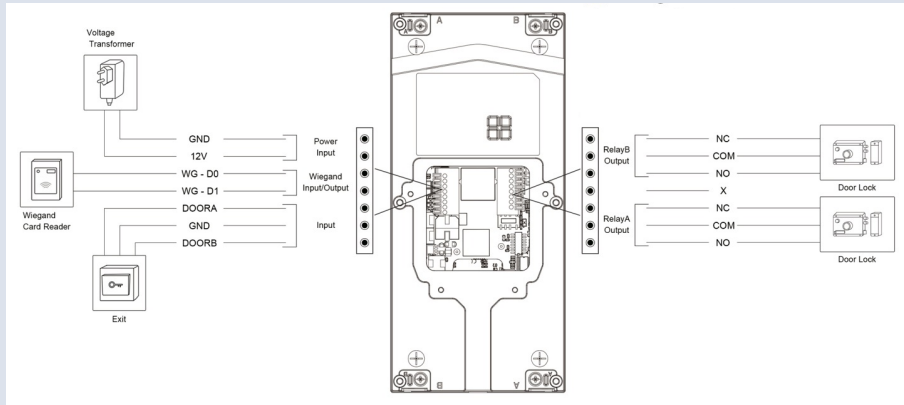
## Overview



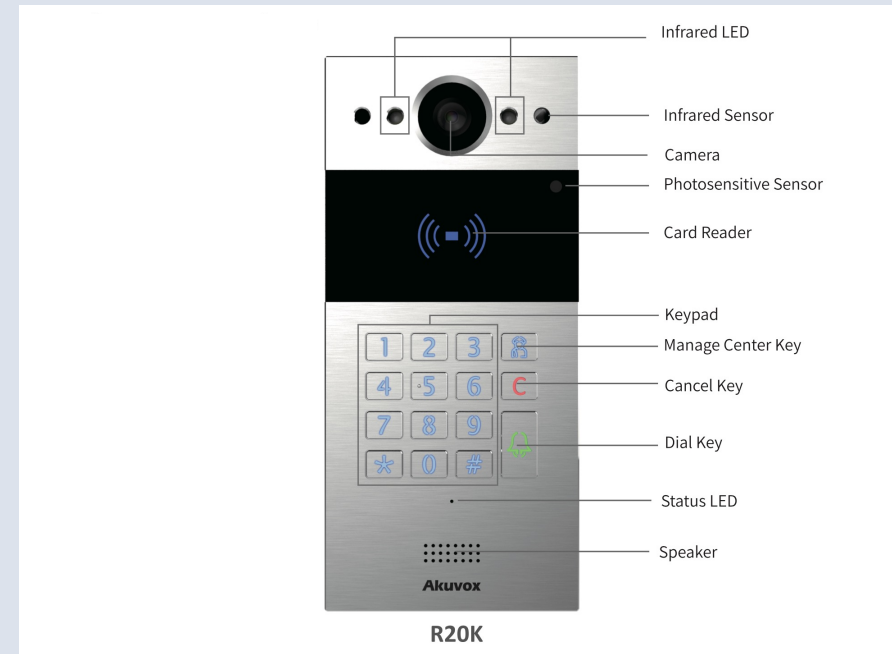


# Hardware Part

## Back



## Front







# Firmware Part

## Details

- **Status:** Information.
- **Intercom:** Settings, Call Log, etc.
- **Account:** SIP account, etc.
- **Network:** DHCP&Static IP Settings.
- **Phone:** Displays, Voice settings.
- **Contacts:** Group and contact.
- **Upgrade:** Upgrade, device reset&reboot, Diagnosis.
- **Security:** Password modification.

## Overview

▼ Status	<b>Status</b>	
Basic		
▶ Intercom		
▶ Account		
▶ Network		
▶ Phone		
▶ Contacts		
▶ Upgrade		
▶ Security		
	<b>Product Information</b>	
	Model	R20K
	MAC Address	
	Firmware Version	220.30.10.4
	Hardware Version	220.0
	Location	R20K-109D75
	Uptime	00:23:16
	<b>Network Information</b>	
	IP Channel	IPv4
	Port Type	DHCP Auto
	Link Status	Connected
	IP Address	192.168.88.6
	Subnet Mask	255.255.255.0



# Basic One: Network

## Details

- **Step One:** Check the network status on the web interface in the Module of **Status**.
- **Step Two:** Choose the DHCP or Static IP mode to sure the IP of the devices in the Module of **Network > Basic**.
- **Noted:** **DHCP** is the default network connection mode, which automatically ask the network parameters from the network to the devices. **Static IP** Mode is which mode you could set the network parameters manually.

## Overview

Network Information	
IP Channel	IPv4
Port Type	DHCP Auto
Link Status	Connected
IP Address	192.168.2.7
Subnet Mask	255.255.255.0
Gateway	192.168.2.1
Preferred DNS Server	192.168.2.1
Alternate DNS Server	

Network-Basic	
LAN Port	
<input checked="" type="radio"/> DHCP	<input type="radio"/> Static IP
IP Address	<input type="text" value="192.168.1.100"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.1.1"/>
Preferred DNS Server	<input type="text" value="8.8.8.8"/>
Alternate DNS Server	<input type="text"/>

# Basic Two: SIP Account

## Details

- **Step One:** Check the SIP account information on the web interface in the Module of **Account > Basic**.
- **Step Two:** Check the SIP account parameters.

## Overview

SIP Account	
Status	UnRegistered
Account	Account 1
Account Enabled	<input type="checkbox"/>
Display Label	204
Display Name	204
Register Name	204
User Name	204
Password	*****

Preferred SIP Server	
Server IP	192.168.1.88
Port	5060 (1024~65535)
Registration Period	1800 (30~65535s)

Alternate SIP Server	
Server IP	
Port	5060 (1024~65535)
Registration Period	1800 (30~65535s)

# Basic Three: Contact list

## Details

- **Step One:** Check the Module of **Intercom > Basic**.
- **Step Two:** Enter the IP / SIP number of the devices and end with different account.
- **Step Three:** Choose whether hang up after open the door.
- **Step Four:** Set Dial Plan for Quick calling, such as use **101** to replace several IP / SIP numbers to realise quick calling feature, in the Module of **Phone > Dial Plan**.

## Overview

### Manager Dial

Call Type

Call Timeout (Sec)

(If the local group is not blank, then only the local numbers will be called.)

**Group Call Number (Local)**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### Hang Up After Open Door

Type

Time Out  (0~15 Sec)

### Dial Plan

Index	Account	Name	Prefix	Replace 1	Replace 2	Replace 3	Replace 4	Replace 5	<input type="checkbox"/>
1									<input type="checkbox"/>
2									<input type="checkbox"/>
3									<input type="checkbox"/>

# Basic Four: Access Control

## Details

- **Step One:** Check the Module of **Intercom > Users**.
- **Step Two:** Add Access Control information, such as User ID; RF Card; Pin code; Schedule etc..
- **Step Three:** Edit User data in the Module of **Contact > Contact list**.
- **Noted:** RF Card: place the card on the device card reader area and click obtain.

## Overview

The screenshot displays the 'User' management interface. At the top, there is a search bar with 'Name/User ID' and a dropdown menu set to 'All'. Below the search bar are buttons for 'Search', 'Reset', and 'Add'. The main area contains a table with the following columns: Index, Source, User ID, Name, RF Card, Floor No., Web Relay, Schedule-Relay, and Edit. The table lists three users with indices 1, 2, and 3, each with an edit icon. Below the table is the 'User Basic' form, which includes fields for 'User ID' (containing '1'), 'Name', and 'Role' (set to 'General User'). At the bottom, there is an 'RF Card' section with a 'Code' field, an 'Obtain' button, and a '+Add' button.

Index	Source	User ID	Name	RF Card	Floor No.	Web Relay	Schedule-Relay	Edit
1								
2								
3								

**User Basic**

User ID:

Name:

Role:

**RF Card**

Code:

# Basic Five: Relay

## Details

- **Step One:** Check the Module of **Intercom > Relay**.
- **Step Two:** Check the Relay parameters.
- **Noted:** DTMF option is only for calling scenario. And the HTTP option is for calling and monitoring scenarios.

## Overview

Relay			
Relay ID	RelayA	RelayB	
Type	Default state	Default state	
Mode	Monostable	Monostable	
Trigger Delay(Sec)	0	0	
Hold Delay(Sec)	3	3	
DTMF Mode	1 Digit DTMF		
1 Digit DTMF	0	1	
2~4 Digits DTMF	010	012	

Open Relay Via HTTP	
Enabled	<input checked="" type="checkbox"/>
Session Check	<input type="checkbox"/>
UserName	admin
Password	*****

# Basic Six: RTSP

## Details

- **Step One:** Check the Module of **Intercom > RTSP**.
- **Step Two:** Check the RTSP parameters.

## Overview

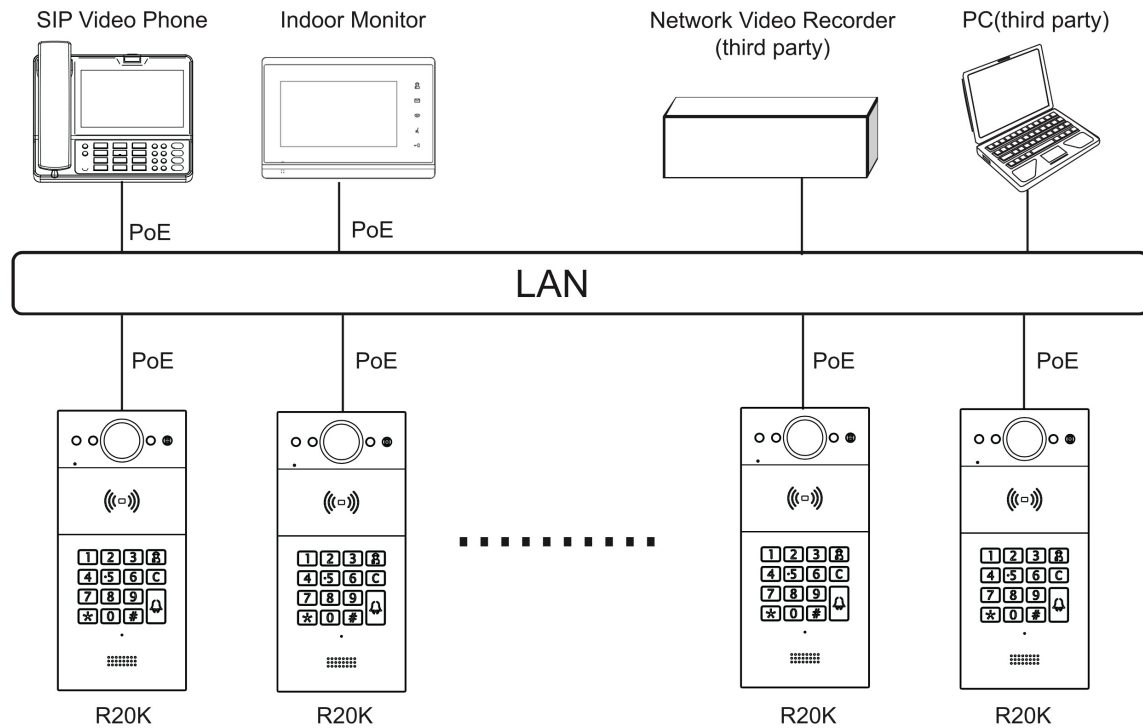
RTSP	
<b>RTSP Basic</b>	
Enabled	<input checked="" type="checkbox"/>
RTSP Authorization Enabled	<input type="checkbox"/>
MJPEG Authorization Enabled	<input type="checkbox"/>
Authentication Mode	Basic
User Name	admin
Password	*****
<b>RTSP Stream</b>	
Audio Enabled	<input checked="" type="checkbox"/>
Video Enabled	<input checked="" type="checkbox"/>
2nd Video Enabled	<input checked="" type="checkbox"/>
Audio Codec	PCMU
Video Codec	H.264
2nd Video Codec	H.264





# Wiring Specificities

## Application Network Topology



- Need further support from Tech Team:  
[support@akuvox.com](mailto:support@akuvox.com)
- Get a Quote from Sales Team:  
[sales@akuvox.com](mailto:sales@akuvox.com)
- Akuvox Training & Certification System  
<http://learning.akuvox.com>
- Akuvox Community with Idea & Technology Sharing  
<http://community.akuvox.com>
- Akuvox Knowledge Base with more guides and docs  
<https://Knowledge.akuvox.com>

The background features a dark grey collage of various icons and photographs. Icons include a clock, a shield, a house, a lightbulb, a thermometer, and a Wi-Fi symbol. Photographs show a group of people smiling and a person holding a lightbulb. A thick orange line curves from the top left towards the center, and another thick orange line curves from the bottom right towards the center.

# THANK YOU

FOR WATCHING

- INNOVATION
- SERVICE
- QUALITY