

Installation Instructions

Innovating the Future of Global Communications

RVON - KP Series

Download RVON Firmware to the KP Series Keypanel

Downloading the RVON -KP Series provides:

- a replacement for the RVON-2 based keypanels with an RVON (VoIP) supported solution for the KP Series Keypanels
- a bridge between the existing RVON-16 I/O cards with the KP Series keypanels, allowing the use of updated benefits and features in both the hardware and software.
- support for KP5032, KP4016, DKP4016, and KP3016 (Ethernet version only)

Requirements

• Firmware Upload Tool version 4.2.0 or later

To download firmware to the keypanel, do the following:

1. In IPedit, verify the keypanel has a static IP Address.

| 📴 IPedit | | |
|---|---|--------|
| File Device Changes Edit View Window Help | | |
| 🖆 🖶 🗗 🔛 🔜 🗖 🔺 🖉 🖾 🖾 🗠 🗠 | 🖹 🔽 🔠 😘 🗰 🕪 🛷 K? 🚯 📓 | |
| 🖃 🎹 OMNEO Devices By Type | Device Information | |
| 🚊 🛲 OMNEO-TDM | | |
| RTS-Single-Frame [192.168.1.102] | Configuration | Status |
| | Device Name: CAP6-016426 | |
| OEI2-OCA [192.168.1.225] | Description: | Sta |
| | Version: KP-5032R, Version 1.2.1 Beta 1 [RSTP], Apr 1 2016, CRC=3 | Sess |
| 4016-D [192.168.1.231] | | Chan |
| RVON Devices By Type | TD Address 102 169 1 220 MAC: 00:1c:44:01:64:26 | |
| uantic terret in the second s | IF Address, 192,100,1,200 | |
| [192.168.1.211] | Netmask: 255.255.255.0 ↓ Use Static IP Settings | |
| RVON-KP | Gateway: Disable RSTP | |
| | DNS Server: Ver | ify |
| | Domain Name: Sta | tic |
| 4016-D [192.168.1.103] | IP Add | dress |
| CAP6-016426 [192.168.1.101] | | 1000 |
| CAP6-016426 [192.168.1.230] | | |
| RVON-IO | | |
| [192.168.1.223] | Channel 1 Channel 2 | |
| RVON-C | Channel 1 Channel 2 | |

- 2. Open the Firmware Upload Tool.
- 3. From the File menu, select **Options**.

The Firmware Upload Tool Options window appears.

| | | | Firmware images |
|--------|-------|----------------------------------|-----------------|
| Change | evice | \OMNEO_Sources\CAPFW_Creation\OK | Image folder |
| | | ib folders | Include sul |
| | | | lploading |
| | | ber of concurrent uploads 20 🚖 | Maximum numb |
| | | | |
| | | e connection | 🔲 Use secure |
| | | ber of concurrent uploads 20 ≑ | Maximum numb |

- 4. Click the **Change button**. *The network folder window appears*.
- 5. Navigate to the **folder** where the firmware resides.
- 6. Click the **OK button**.
- 7. Click the **OK button**, again.
 - The Firmware Upload Tool Options window closes.
- 8. From the OKP Device page, select the **device** you want to update.

| OMNEO Firmware | Upload Tool | | | | An and a second second second | | 10 10 March 17 an | |
|--|-----------------------|-----------------------------------|------|-----------------------------|----------------------------------|----------------------|-------------------|----------|
| File View Help | | | | | | | | |
| OMNEO Firm | nware Upload Tool | | | | | | | |
| | | | | | | | | |
| Devices Model 2049 OKP | | | | | | | | |
| Devices Model 2049 OKP Device name | Domain name | Serial number | Role | IP address | MAC address | Version | State | Progress |
| Devices Model 2049 OKP Device name 4016-D | Domain name Iocal. | Serial number 5895851723021003 | Role | IP address 192.168.1.231 | MAC address 00:1C:44:01:64:1B | Version 1.02.0000 | State Idle | Progress |

9. Click the **Upload button**.

The Select Firmware for Upload window appears.

10. From the list of firmware, select the **firmware** you want to download.

| Select firmware f | or upload | | | | |
|--------------------|-----------|--|------|--|--|
| Available firmware | | | | | |
| Model name | Version | Description | Size | File name | |
| OKP | 4.30.390 | Audio FPGA for the OKP Device | 5 MB | C:\Concept\RVON\capfw\Old versions\OKP_Audinate.capfw | |
| OKP | 1.2.0 (15 | Client for the OKP Device | 2 MB | C:\Concept\RVON\capfw\Old versions\OKP_Client_1585.capfw | |
| OKP | 1.2.0 (15 | Client for the OKP Device | 2 MB | C:\Concept\RVON\capfw\Old versions\OKP_Client_OCA_1572.capfw | |
| OKP | 1.2.0 (15 | Client for the OKP Device | 2 MB | C:\Concept\RVON\capfw\Old versions\OKP_Client_RVON_1573.capfw | |
| OKP | 1.2.0 | Client and Audio FPGA for the OKP Device | 7 MB | C:\Concept\ RVON\capfw\RVON-v1.2.1-beta-1\OKP_Audinate_Client_OMNEO.ca EO.ca | |
| OKP | 1.2.1 | Client and Audio FPGA for the OKP Device | 6 MB | C:\Concept\RVON\capfw\RVON_v1.2.2\KP-Series-RVON.capfw | |
| | | | | | |
| | | | | | |

11. Click the Start button.

The Select Firmware for Upload window closes and a progression bar appears next to the selected keypanel.

| OMNEO Firmware Upl | load Tool | | | | | | |
|---|--|--------------|--|---|-----------------------------------|------------------------------|----------|
| File View Help | | | | | | | |
| OMNEO Firmwa | are Upload Tool | | | | | | |
| Devices | | | | | | | |
| Model 2049 Model 206 | 0 OKP | | | | | | |
| Model 2049 Model 2061 Device name | 0 OKP Domain name | Role | IP address | MAC address | Version | State | Progress |
| Model 2049 Model 2060 Device name CAP6-016426 | 0 OKP Domain name local. | Role | IP address 192.168.1.230 | MAC address 00:1C:44:01:64:26 | Version 1.02.0000 | State | Progress |
| Model 2049 Model 2060 Device name CAP6-016426 4016-D | 0 OKP Domain name local. local. | Role RVON | IP address 192.168.1.230 192.168.1.231 | MAC address 00:1C:44:01:64:26 00:1C:44:01:64:18 | Version 1.02.0000 1.02.0000 | State Downloading Idle | Progress |

On the keypanel display screen, Download in Progress appears and chunk progression is displayed.

| | KP-5032 - Boot Loader FWUT download in progress |
|----------------|--|
| A DISCONNECTED | |
| | Chunk 37 of 96, 25% |

Once the firmware has been updated, the keypanel reboots automatically. When the keypaney power up, an RVON icon appears in the keypanel display screen.



