



BOND II



- A: Modem Clips
- B: Top Plate
- C: Video Input (SDI or HDMI)
- D: Mic/Line Audio Input
- E: Headphone Output
- F: Power Input
- G: Power Switch
- H: OLED Display
- I: Status LEDs
- J: Antennas
- K: Modem Activity LEDs

*Modems not included



- L: Video Input
- M: Encoder Status
- N: Broadcast/Record
- O: Fault/Error
- P: Stream Joystick
- Q: Menu Joystick

Stream Joystick:

- ◀, ▶: Selects options from streaming/recording prompts
- (button press): Returns to main status screen, start/stop recordings and broadcasts

Menu Joystick:

- ▲, ▼: Select menu items, change status screen on main display, select characters
- ◀: Back, move to higher menu level
- ▶, ● (button press): Confirm selection, open selected menu

WEB UI LOGIN

username: **admin**
password: **admin**

SETUP

1

- 1 Connect a power source to Bond II's DC input (F) and a video input to (C).



- 2 Connect one or more modems to Bond II's USB ports. If desired, attach top plate, modem clips and velcro to secure the modems.

- 3 Use the included 1/4"-20 and hot shoe mount to attach Bond II to your camera.



DEVICE CONFIGURATION

2

CONNECT TO BOND II

- **Via WiFi** – Attach antennas to (J). Open your computer's wireless network configuration and find Bond II's WiFi network (**Teranet – XXXX**, where **XXXX** is the last four digits of Bond II's serial number)
- **Via Ethernet** – Connect Bond II to a wired network or directly to your computer.

1. Open a web browser and enter the IP address of Bond II. View the WiFi IP address by pressing ▼ once and the Ethernet IP address by pressing ▼ twice.
2. Log into Bond II – The username is **admin** and the default password is **admin**.

CONFIGURE BONDING SETTINGS

1. Navigate to Video Setup > Bonding.
2. Enter a **Sputnik Host Address**. For Sputnik server setup instructions please see the **Sputnik Setup Guide** (<http://www.teradek.com/pages/downloads>).
3. Confirm the **Sputnik Port** matches your Sputnik server's configured inbound port. The default value is 5111.
4. Adjust the **Max Bitrate** and **Max Buffer Length** settings, if desired.
5. Click **Apply**.
6. Confirm that data is reaching Sputnik by navigating to the server's Dashboard, or by verifying activity on the modem activity LEDs (K).

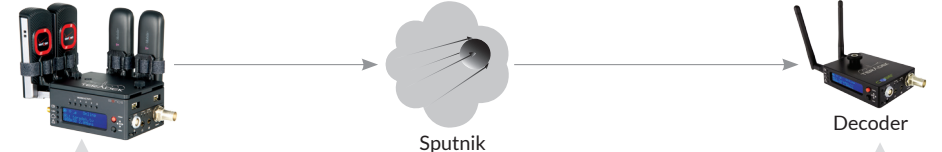
BROADCAST CONFIGURATION

3

Configure the following from the Video Setup > Stream Settings page.

MPEG TRANSPORT STREAM

1. Configure the following settings on Bond II
2. Configure the following settings on your decoder.



Primary Stream

Mode: **MPEG Transport Stream**
Transport Stream Server: **Enabled**
Listening Port: **5000**

Decoder Settings

Mode: **MPEG Transport Stream**
Protocol: **TCP Pull**
Host: **Your Sputnik Server Address Port: 5000**

LIVESTREAM/USTREAM

1. Select **Live Internet Streaming** as the Stream Mode.
2. Select your provider.
3. Enter your user name and password, click login.
4. Select your Channel and click **Apply**.
5. Start/stop the stream with the buttons on the Stream Settings page or with the **Stream Joystick**.

RTMP STREAMING

1. Select **RTMP** as the Stream Mode.
2. Enter the server URL. Depending on your destination (local server or CDN), this will look similar to `rtmp://server.address:1935/live`.
3. Enter the stream name. For many platforms this is found with the server URL.
4. Click **Apply**.
5. Start/stop the stream with the buttons on the Stream Settings page or with the **Stream Joystick**.

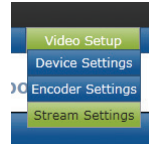
NEED MORE HELP?

1. Support forum: <http://support.teradek.com> → Contains tips, information and all the latest firmware & software updates.
 2. Training videos: <http://www.teradek.com/training>
- TERADEK SUPPORT STAFF:** support@teradek.com or call 888-941-2111 ext2 (Mon-Fri 7am to 6pm PST)

OPTION A: STREAM FROM CUBE TO THE INTERNET

Configure your Cube for Internet streaming on Cube's Stream Settings page

1. Launch Cube's configuration page by clicking **Configure** in TeraCentral.
2. If the wizard appears, click **Skip the Setup Wizard**, then log in to Cube's web UI (user: **admin**, password: **admin**). Navigate to Video Setup → Stream Settings.



RTMP streaming:

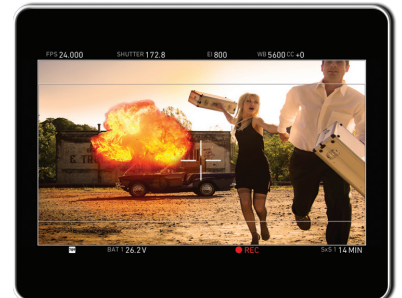
1. Select **RTMP** as the **Stream Mode**.
2. Enter the server URL. Depending on your destination (local server or CDN), this will look something like `rtmp://server.address:1935/live`. The URL varies based on your streaming provider. Check with them or Teradek Support to get the proper address. Often the server URL is found with FMLE instructions or in a downloadable XML file.
3. Enter the stream name. Again this varies by platform, but should be found with the server URL.
4. Select **enabled** or **disabled** for auto-start broadcast. If enabled, Cube will attempt to start a broadcast whenever it powers up.
5. Click **Apply**. Start/stop the stream by clicking **Start Broadcast** on the Stream Settings page or by pressing the Stream joystick on Cube.
6. See the reference guide for additional information.

Livestream

1. Under **Stream Mode**, select **Livestream (Live Internet Streaming)**.
2. Enter your Livestream username, password, and channel short name. Click **Verify Login** to check that Cube can contact Livestream and that your login information is valid. NOTE: the channel short name is case sensitive.
3. Click **Apply**. Start/stop the stream by clicking **Start Broadcast** on the Stream Settings page or by pressing the Stream joystick on Cube.

OPTION B: LOCAL MONITORING WITH iOS DEVICES AND TERA CENTRAL

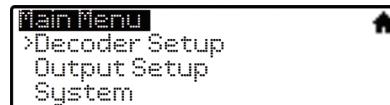
1. Download TeraCentral from the iTunes App Store.
2. Open the Wifi Settings and connect to Cube's network (see section 2 for more information).
3. Open the TeraCentral app. You will see your Cube's stream listing.
4. Tap the Play button to open your video stream.



OPTION C: DECODER SETUP: Output live video to a monitor or switcher.

Selecting which stream to view:

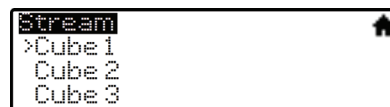
1. Enter the menu with **Decoder Setup**.



2. Select **Automatic**.

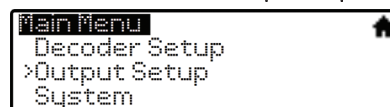


3. Choose the stream you want to view and confirm the setting when prompted.



Changing output format:

1. Enter the menu, select **Output Setup**.



2. Adjust your output resolution and audio settings in the appropriate menu.

