

Step 1: Connections/Power

1. Insert the 2 CAMs into the required slots in the common interface module of the unit ❶.
CAUTION: The CAMs are labeled with the matching serial number of the unit, DO NOT mix CAMs between units.
2. Quad Satellite input: connect the F-Type cable(s) to the rear of the unit ❷:
 - Input 1: Feed for G15 (Vertical)
 - Input 2: Feed for G17 (Vertical)
 - Input 3: Feed for G15 (Horizontal)
 - Input 4: Feed for G17 (Horizontal)
3. ASI output: connect the ASI cable to the rear of the unit, on port 2 ❸.
4. Management: connect the Ethernet cable to the rear of the unit on eth0 ❹.
5. Quad 1 GbE output: connect the Ethernet cable(s) to the rear of the unit, (by default, eth2) ❺.
6. Connect the power cord to the back of the unit ❻. Plug the power cord into the grounded outlet, then power up the unit.

NOTE: See back panel connector locations on page 5.

Step 2: Configure the network interfaces

The Ethernet interfaces can be configured using the LCD panel:

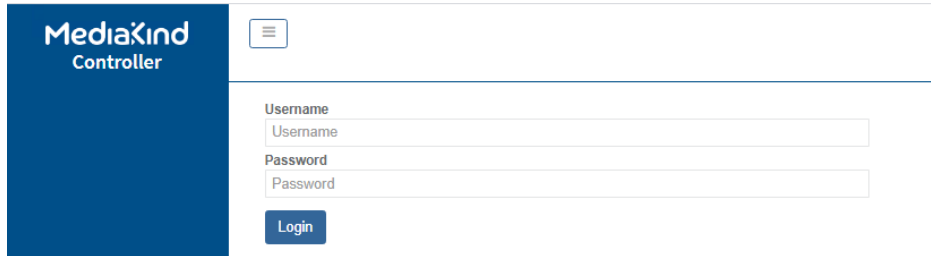
1. From the root menu, navigate to **Network** by pressing ➡⬇️⬇️.
2. Select **Eth0** by pressing ➡. Press ➡ again to get to the parameters.
3. For **Method**, press **ENTER**, and the ⬆️⬆️ arrows to select **Manual**. Press **ENTER**.
4. Press ⬇️ to select **IP Address**.
Press **ENTER**, then ⬆️➡➡ and ⬅️ to enter the address for the management network.
Press **ENTER** to apply the value.
5. Press ⬇️ to select **Subnet Mask**.
Press **ENTER**, then ⬆️➡➡ and ⬅️ to enter the mask for the management network.
Press **ENTER** to apply the value.
6. Press ⬇️ to select **Gateway**.
If using a gateway, press **ENTER**, then ⬆️➡➡ and ⬅️ to enter the gateway.
Press **ENTER** to apply the value.
7. Press ⬅️ and then ⬇️ twice to select **Eth2**.
Adjust the **IP Address** and **Subnet Mask** in the same way as you edited **Eth0**.
 - a. For installations using IP outputs edit the address and mask according to the network plan.
 - b. For installations using an SD transcoder and an Ethernet cable direct to it, use the **IP Address** 192.128.2.1 and **Subnet Mask** 255.255.255.0.
3. Do not edit **Eth2** Gateway.



Step 3: Login

7. Launch a web browser:

HTTP://{IP-Address} where {IP-Address} is that set in Step 2.



The login page for the MediaKind Controller. It features a blue header with the 'MediaKind Controller' logo and a hamburger menu icon. Below the header, there are two input fields labeled 'Username' and 'Password'. A blue 'Login' button is positioned below the password field.

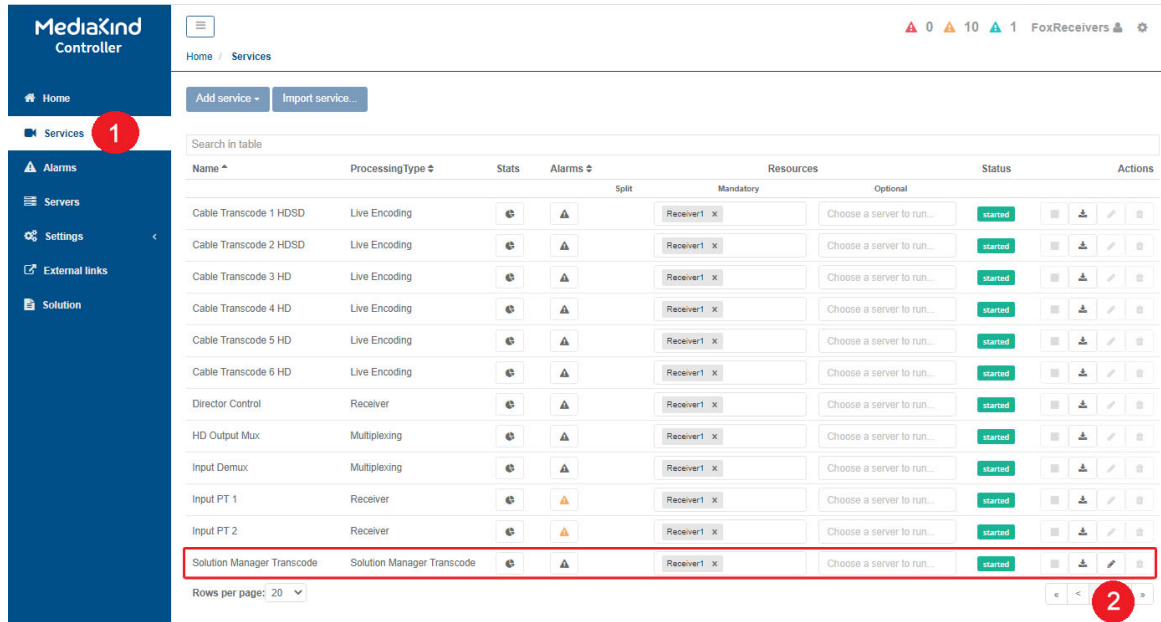
8. Enter the username **FoxReceivers** and password **Change2YourSite**.

Step 4: Get the receiver entitled

1. Record the receiver serial number starting with 4E as printed on the back of the unit.
2. Call Fox on **1-888-882-5295**

Step 5a: Check the entitled services and adjust

1. Choose **Services**.

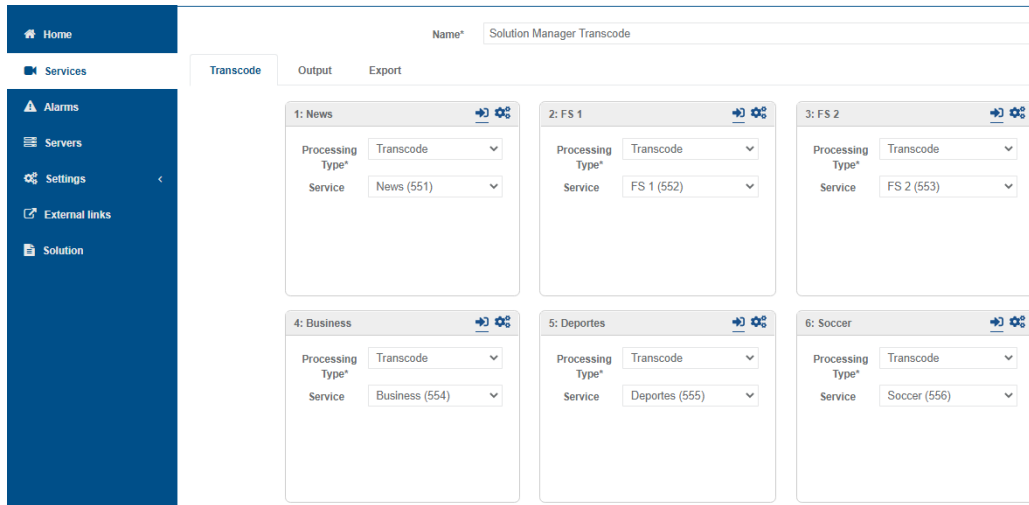


The Services page in the MediaKind Controller interface. It shows a list of services with columns for Name, Processing Type, Stats, Alarms, Resources, Status, and Actions. A red circle with the number '1' highlights the 'Services' menu item in the left sidebar. Another red circle with the number '2' highlights the 'Solution Manager Transcode' service row, which is also highlighted with a red border. The 'Solution Manager Transcode' row shows a status of 'started' and a 'Receiver1' resource.

Name	Processing Type	Stats	Alarms	Resources	Status	Actions
Cable Transcode 1 HDSD	Live Encoding			Receiver1 X	started	
Cable Transcode 2 HDSD	Live Encoding			Receiver1 X	started	
Cable Transcode 3 HD	Live Encoding			Receiver1 X	started	
Cable Transcode 4 HD	Live Encoding			Receiver1 X	started	
Cable Transcode 5 HD	Live Encoding			Receiver1 X	started	
Cable Transcode 6 HD	Live Encoding			Receiver1 X	started	
Director Control	Receiver			Receiver1 X	started	
HD Output Mux	Multiplexing			Receiver1 X	started	
Input Demux	Multiplexing			Receiver1 X	started	
Input PT 1	Receiver			Receiver1 X	started	
Input PT 2	Receiver			Receiver1 X	started	
Solution Manager Transcode	Solution Manager Transcode			Receiver1 X	started	

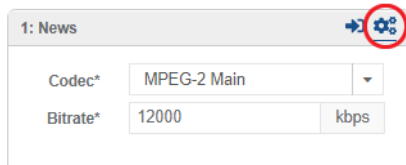
Step 5b: Check the entitled services and adjust

9. Go to the **Solution Manager Transcode** and click on the **Edit** icon.



The screenshot shows the 'Solution Manager Transcode' interface. On the left is a sidebar with navigation links: Home, Services, Alarms, Servers, Settings, External links, and Solution. The main area has tabs for 'Transcode', 'Output', and 'Export'. Under the 'Transcode' tab, there are six service cards arranged in a 2x3 grid. Each card has a title, a 'Processing Type*' dropdown menu, and a 'Service' dropdown menu. The services are: 1: News (Service: News (551)), 2: FS 1 (Service: FS 1 (552)), 3: FS 2 (Service: FS 2 (553)), 4: Business (Service: Business (554)), 5: Deportes (Service: Deportes (555)), and 6: Soccer (Service: Soccer (556)).

10. Check that the Services you think need to be entitled, are entitled, once the Fox representative informs you that the receiver is now entitled.
11. The default Codec for the transcoded service output is **MPEG-2 Main**. If you need H.264 (AVC), click on the **Cog** icon on the service you need to adjust, and select **H.264 Main**.

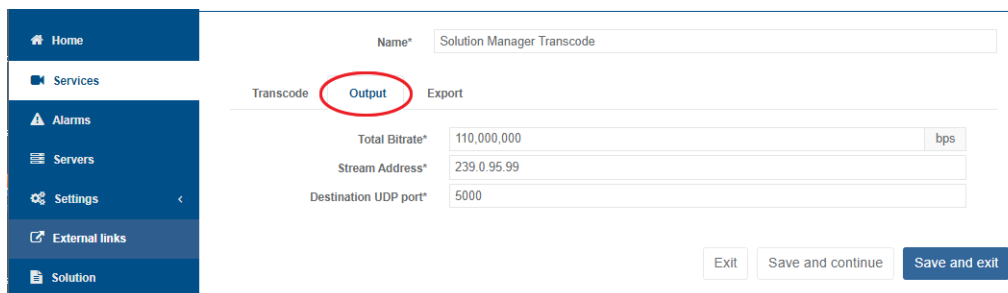


This screenshot shows a close-up of the '1: News' service card. A red circle highlights the 'Cog' icon (settings gear) in the top right corner of the card. Below the card, the 'Codec*' dropdown menu is visible, currently set to 'MPEG-2 Main'. The 'Bitrate*' is set to '12000 kbps'.

12. Press **Save and Continue**.

Step 6: Configure the output MPTS

1. Click on the **Output** tab.



The screenshot shows the 'Output' tab of the 'Solution Manager Transcode' interface. The 'Output' tab is selected and circled in red. The main area displays three fields: 'Total Bitrate*' (110,000,000 bps), 'Stream Address*' (239.0.95.99), and 'Destination UDP port*' (5000). At the bottom, there are three buttons: 'Exit', 'Save and continue', and 'Save and exit'.

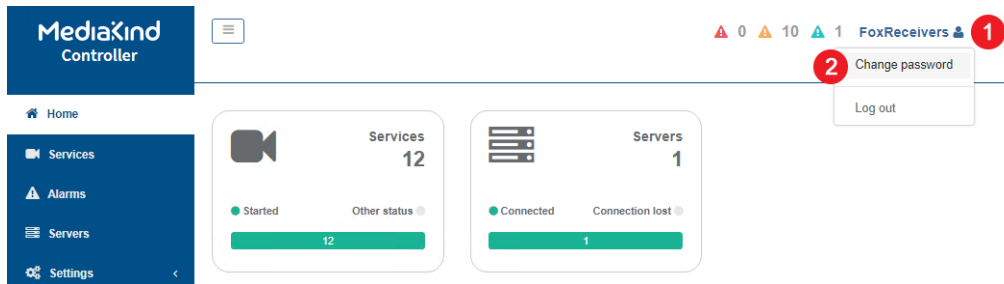
2. Enter the output multicast details:
- **Total Bitrate** must be enough for all services and overhead of PSI/SI tables, etc.
 - **Stream Address** is the multicast or unicast address. Multicast ranges are from 224.0.0.0 to 239.255.255.255.
 - **Destination UDP port** is in the range 0 to 65535, although ports 0 to 1023 should be treated as reserved as 'well known ports'.
3. Press **Save and Exit** or **Save and Continue** to have these settings applied.

Step 7: Change Password

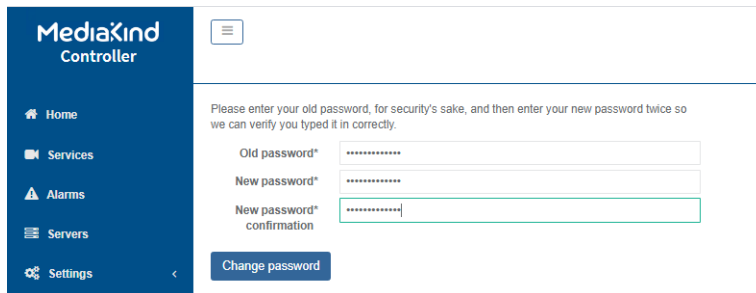
For improved security you may wish to change the password of the FoxReceivers user.

NOTE: You cannot change the username, nor add users.

1. On any page, on the top right corner, click on the username **FoxReceivers**.
2. Select **Change password**.



3. Enter the old password then enter the new password twice.

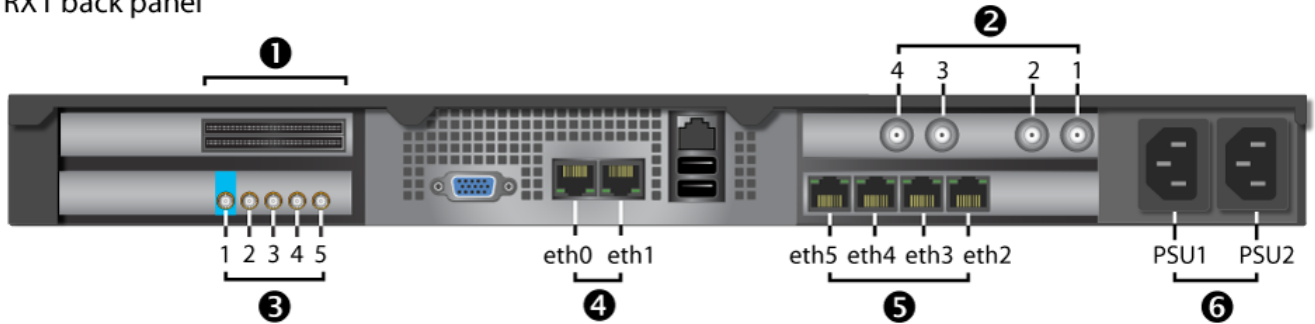

 The screenshot shows the 'Change password' form in the MediaKind Controller interface. The form has three input fields: 'Old password*', 'New password*', and 'New password* confirmation'. Each field contains a series of dots for password masking. Below the fields is a blue 'Change password' button. A message above the fields reads: 'Please enter your old password, for security's sake, and then enter your new password twice so we can verify you typed it in correctly.'

4. Click **Change password**.

RX1 MPTS output							
	Service	PIDs					
Service Name	Service ID	PMT	Video/PCR	Audio 1	Audio 2	SCTE-35	Resolution
	21	100	101	102	103	107	HD
	31	120	121	122	123	127	SD
	22	200	201	202	203	207	HD
	32	220	221	222	223	227	SD
	23	300	301	302	303	307	HD
	24	400	401	402	403	407	HD
	25	500	501	502	503	507	HD
	26	600	601	602	603	607	HD



RX1 back panel



- 1** Dual Common Interface
- 2** Quad Satellite input
- 3** ASI output
- 4** 1 GbE – eth0 for management
- 5** Quad 1 GbE output – eth2 for multicast
- 6** Power input

NOTE: The back panel components are SELV (Safety Extra Low Voltage) components.

CAUTION: CAMs supplied with the RX1 must be kept with the unit they were supplied with. Do not swap CAMs between RX1 units. The CAMs are labeled with the serial number of the RX1 they belong with. To keep the CAMs with the RX1, we recommend plugging the CAMs into the CI slots soon after unboxing the RX1.

Where two CAMs are supplied, it does not matter which CI slot each CAM is fitted in.

Always unplug CAMs from the RX1 unit when it transported. Leaving a CAM in a CI slot risks damage to the CAM or the RX1 CI slots.

An electronic copy of this document is available for download at:

<https://www.mediakind.com/rx1-quick-start-guide>



Scan to connect to
MediaKind website and
get this Quick Start
Guide.

