

## Technical Tip

### COM50/51/51D (COM5x) EPG Settings for AEP1 and AEP2

#### Overview

Different COM5x EPG configurations are required for AEP1 (UCW4026MCS) and AEP2 (UCW4060MCS). Mixing AEP1 and AEP2 in systems with QAM and/or IP distribution is also supported. Details for each scenario are provided below.

#### *Supported AEP STB Mix by COM Video Distribution*

COM Video Distribution	AEP1 only	AEP2 only	AEP1 + AEP2
IP	✓	✓	✓
QAM	✓	✓	✓
IP + QAM	✓	✓	✓

#### Action Required

Verify all COM5x cards are running software version ST04.02.51 or newer.

Verify all AEP1 STBs are running software version 02.26.0 or newer.

Verify all AEP2 STBs are running software version 15.01.0 or newer.

#### Systems with either QAM or IP video distribution

##### AEP1

On the COM5x EPG tab, checking the “AEP1 (4026);” box in the Mode field will create the required guide file for AEP1 (UCW4026MCS) set top boxes. Either QAM or IP distribution is supported on a single COM5x card.

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

OR

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

## AEP2

Checking the “AdvancedGuide;” box in the Mode field will create the required guide file for AEP2 (UCW4060MCS) set top boxes. Either QAM or IP distribution is supported on a single COM5x card.

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

OR

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

## Mixed AEP1 and AEP2

For either QAM or IP distribution, both “AEP1(4026);” and “AdvancedGuide;” may be selected on a single COM51x card.

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

OR

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

## Systems with both IP and QAM Distribution

### AEP1

For AEP1 systems utilizing both IP and QAM distribution, use one COM5x card to set up AEP1 IP EPG and a separate COM5x card to set up AEP1 QAM EPG.

On one card:

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

On another card:

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

### AEP2

For AEP2 systems utilizing both IP and QAM distribution, use one COM5x card to set up AdvancedGuide IP EPG and a separate COM5x card to set up AdvancedGuide QAM EPG.

On one card:

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

On another card:

Mode:  GuideChannel;  PSIP;  Welcome;  IgnoreDST;  
 QAM;  IP; <-- Choose up to one  
 Now/Next;  401;  AEP1(4026); <-- Choose up to one  
 AdvancedGuide;

## **Mixed AEP1 and AEP2**

For mixed AEP1+AEP2 systems utilizing both IP and QAM distribution, use one COM5x card to set up IP EPG for both AEP1 and AEP2, and a separate COM5x card to set up QAM EPG for both AEP1 and AEP2.

On one card:

```
Mode:       GuideChannel;  PSIP;  Welcome;  IgnoreDST;
            QAM;  IP;                                <-- Choose up to one
            Now/Next;  401;  AEP1(4026); <-- Choose up to one
            AdvancedGuide;
```

On another card:

```
Mode:       GuideChannel;  PSIP;  Welcome;  IgnoreDST;
            QAM;  IP;                                <-- Choose up to one
            Now/Next;  401;  AEP1(4026); <-- Choose up to one
            AdvancedGuide;
```

## Local Origination Guide Format

Note: In all scenarios, when setting up entries for locally originated content such as a scrolling channel guide or hotel information channels there must be channel name text between the N and the \_ as shown below:

1-0 NGUIDE\_ChannelGuide 1 20

2-0 NINFO\_HotelInfo 1 36