



Top 10 things to know about the COM1000



Introduction

This document outlines some basic features that every DIRECTV L&I dealer should know about the COM1000. It includes some features of the core products as well as introduce some accessories also available from your Technicolor Distributor that can fit just about any needs of your clients. Although this document will explain a few of the sales worthy features, not all features are explained in this document. Be sure and contact your Distributor.

1. PSIP – Program & System Information Protocol

The Program and System Information Protocol (PSIP) is the protocol used in the ATSC digital television system for carrying metadata about each channel in the broadcast MPEG transport stream. Although the metadata sent includes lots of information the most important to hospitality guests will be title and description of what's currently playing and the program that will be playing next. The Technicolor DCI401MCS will always show this information on channel change and by pressing the "Info" button on the DCI401MCS remote. The amount of information and format will vary depending on the television manufactures. There is no subscription fee or need for additional equipment to provide this feature to your clients. Technicolor continues to bring this unique feature to the attention of all TV manufacturers and you should too!



2. Local Content Insertion

Many of your hotel clients will request the integration of an external source to be broadcast on the channel ring. There are a number of different devices that might be used to generate this programming such as a DVD player, digital signage equipment, or just a computer running PowerPoint slides. As long as the output of the device is either IP or can be converted into an IP stream it can be input and controlled from the COM1000 web interface. There are many off the shelf solutions available to convert an Audio/Video source into an IP stream such as the AVN200. Your Distributor will be able to assist you with the right solution to fit your client's needs!

3. DCI401MCS Control

The DCI401MCS product was designed for markets where Pro:Idiom TVs are not available such as campus living or senior care facilities, but has been often requested to be used in hospitality environments to replace commercial TVs. For these markets, the device can be fully configured by the COM1000 using broadcast messages sent from the COM24 through the QAM6 device. Any setting in the DCI401MCS can be controlled through this messaging process including some of the following popular items:

- Turn off the remote power button capability, so users can't power off the device

- Turn off the menu option so guests cannot access the menu
- Send channel map to each device which can override any scanned channels
- Force channel change, and even lock the channels so users cannot change the channel
- Download software updates to the units
- Each command can be sent to individual units or all the units on the network

4. DCI401MCS Interactive Channel List

When a DCI401MCS is connected to a COM1000 at the headend their guests can enjoy a unique interactive Channel list to help them quickly select the program of their choice. The programming choices are presented as tiles with TV channel number and the consumer recognizable channel logos. As the client navigates through the tiles the Picture in Picture and program information follows. This feature comes with no additional hardware costs and no monthly fees for your customers!



5. Easy ATSC integration

Many hotels request to have an ATSC option to either receive local TV signals not carried by their network provider or to have a backup in case of any weather or other related system outages. The ATSC-8, available from Technicolor, is a 1 RU 8 tuner receiver that allows for the reception of over-the-air digital broadcasts. Used in combination with a COM1000 system containing a QAM6 EdgeQAM, the output can be modulated over the same digital QAM network in combination with DIRECTV premium programming from a COM24 or COM24-FLX receiver.



The ATSC-8 is fully controlled and configured by the COM1000. To access the ATSC control select the ATSC tab from the COM1000 interface.

DirecTV COM1000



Commands: Discover, PairingInfo, TuneAll, Help
Scan, Refresh, Display, SysInfo, HealthInfo, EPG, Syslog, ATSC, #01, QAM

If your customer wants to explore an off-air addition to their COM1000, ask your Distributor about the advantages of the ATSC-8 or call 1-855-297-5820 to speak to a Technicolor Representative.

6. Hybrid HD & SD COM1000

With the launch of Technicolor's COM24-FLX receiver blade and in conjunction with the Technicolor QAM6, mixing HD and digital SD content has never been easier. You can maximize the QAM channels in your system by placing 2 SD streams along with 2 HD streams in the same QAM channel or fit up to 8 SD streams in a single QAM channel. The results for your customers are, less space, less power consumption and the superior picture quality of an all-Digital broadcast! Technicolor has built an easy to use tool to help you configure the equipment needed to match your required channel count. You can get the configuration tool from your Distributor or contact Technicolor directly at www.technicolor.com/mcs.

7. EAS – Emergency Alert Systems

The COM1000 supports EAS when using the Technicolor QAM6. This is accomplished by sending the EAS transport stream data to the QAM6 on port 25600. When a single program transport stream arrives at the QAM6 on port 25600 all RF channels from the QAM6 will switch to playing that transport stream and the same audio and video will appear on every channel output by the QAM6.

8. Scalability

The COM1000 system was designed as a scalable blade/server architecture with the ability to support 2 to 24 HD channels, 3 to 36 SD channels, or any combination of these in a single COM200 chassis occupying only 4 RU of rack space. Multiple chassis can be easily cascaded together in a single system with the use of inexpensive accessories such as an Ethernet switch and/or Technicolor's GBE1 input card. All cards in all chassis can be monitored and configured via a single interface from any COM24 or COM24-FLX in the system. Your Distributor can assist you with multiple chassis system integration or call 1-855-297-5820 to speak to a Technicolor Representative.

9. L-band Activations

The COM1000 COM24 and COM24-FLX are always activated in a manner that allows their tuners to access any channel in the properties channel lineup. With the COM1000's web interface tool this provides easy access to change channel lineups remotely without the need to roll a truck.

10. Code Updates

Are your systems running the latest code? The COM1000 platform has constantly been upgraded over the last few years. Many new features, access to control accessories such as the DCI401MCS, and performance improvements have come with new code updates. Code updates can often be done remotely without the need to roll a truck to the site. Be sure that your Distributor is keeping you informed of the latest code or coming soon, you'll be able to find at www.technicolor.com/mcs.

