

CABLING and ADAPTERS:

GENERAL INFORMATION:

USB cables are used to connect a H-ITT BASE unit (RX2100 or RX4000) to a computer via the computer's USB port. Power is supplied to the base unit through the USB cable, so this is the only connection needed.

Serial cables are typically considered as legacy connections and can be used when the computer does not have a USB port. Standard serial cables with DB9 connectors are available at most all computer parts retailers at low costs. H-ITT offers a 25 foot long serial cable, which may not be as readily available.

CAT5 cables are used to direct link (daisy chain) RX2100 IR base units for multiple base units in an installation, and can be used as an easy, low cost way to add multiple RX4000 RF base units to a computer for very large auditoriums.

Adapters H-ITT provides special adapters that convert CAT5 (RJ45) to SERIAL (DB9) connections. Both female and male gender adapters are available.

USB cables:

AC-USB-6: 6 foot long standard AB type USB cable. All H-ITT Base units, and class packs include this cable, but can be ordered as a separate part number if required.

AC-USB-16: 5 meter long (approximately 16 feet) AB type USB cable.
APPLICATION: Can be used in place of the 6 foot long cable when extended distance between the base and the computer is needed.

AC-USB-EX16: 5 meter long (approximately 16 feet) extension USB cable.
APPLICATION: Can be connected to either the AC-USB-6 or AC-USB-16 cables to add 5 meters length when extended distance between the base and the computer is needed. Multiple AC-USB-EX16 extender cables can be connected together, but total lengths over 50 feet with BAUD rates over 19.2K are not recommended.



CAT5 cables:

AC-CAT5-25 and **AC-CAT5-50** are 25 foot long, and 50 foot long (respectively) standard CAT5e cabling with RJ45 connectors on each end.
APPLICATIONS: Can be used to daisy chain IR base units (RX2100's) together. Can be used to link a second (or even multiple) RX4000 RF base units to the computer for distances over 300 feet using adapters as described below.



Serial Cable:

AC-SERIAL-25 is a 25 foot long serial cable with the standard DB9 Male on one end, and a DB9 Female on the other.
APPLICATIONS: Used to connect the RX4000 to a computers serial port. These cables are stackable, so to make long runs simply connect multiple cables together.



Adapters:

AC-ADPT-F is a CAT5 (RJ45) to Serial (DB9) converter specifically wired for H-ITT products.

APPLICATIONS: Used to convert the CAT5 cable to serial for connection to a computers serial port.



AC-ADPT-M is a Serial (DB9) to CAT5 (RJ45) converter specifically wired for H-ITT products.

APPLICATION: to connect the serial port of the RX4000 RF base unit to a CAT5 cable for low cost, long distance data communications runs to the computer. **NOTE:** the CAT5 cable will need the Female adapter, part# AC-ADPT-F at the computer connection to convert the CAT5 cable back to the computers serial port connection.

