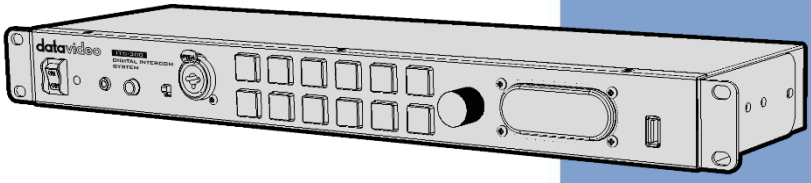
datavideo



DIGITAL INTERCOM SYSTEM

ITC-300

Instruction Manual

www.datavideo.com

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Disclaimer of Product & Services

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warnings and Precautions



1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked “Do

Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.

13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
    a. When the power cord is damaged or frayed;
    b. When liquid has spilled into the unit;
    c. When the product has been exposed to rain or water;
    d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
    e. When the product has been dropped or the cabinet has been damaged;
    f. When the product exhibits a distinct change in performance, indicating a need for service.

Warranty

Standard Warranty

- Datavideo equipment is guaranteed against manufacturing defects for **one (1) year** from the date of purchase.
- A valid purchase invoice or other proof of purchase must be provided when requesting warranty service.
- The warranty period begins on the actual purchase date. If the purchase date cannot be verified, the warranty period will begin **thirty (30) days after shipment** from a Datavideo office.
- Non-Datavideo branded products (products without the Datavideo logo) are covered by a **one-year warranty** from the date of purchase.
- Damage caused by accident, misuse, unauthorized repair, or exposure to sand, grit, or water is **not covered** under warranty.
- Virus or malware infections on computer systems are **not covered** under warranty.
- Any issues caused by unauthorized third-party software installations that are not required by Datavideo systems are **not covered** under warranty.
- All shipping, mailing, or transportation costs, including insurance, are the responsibility of the owner unless otherwise stated.
- **Teleprompter glass is not covered** under warranty.

- Accessories, including **headphones, cables, batteries, metal parts, housings, protective cases, cable reels, and consumable items**, are **not covered** under warranty.
- Warranty is valid only in the country or region of purchase.
- All other claims **not explicitly stated** are not covered.
- Your statutory rights remain unaffected.

Five Year Warranty



- Starting January 1, 2026, all Datavideo products that are successfully registered on the Datavideo official website are eligible for a **free four-year extended warranty**, in addition to the standard one-year warranty, for a total of **five years of coverage**.
- **Only registrations completed through the Datavideo official website qualify** for the five-year warranty. Registrations completed through local Datavideo offices, resellers, or authorized distributors **are not eligible**.
- Certain parts with limited service life — including **LCD panels, DVD drives, hard drives, solid-state drives, SD cards, USB thumb drives, lighting equipment, non-PCIe cards, and third-party PC components** — are covered by a **one-year warranty only** and are **not eligible** for the extended warranty.
- **Camera modules** are covered by a **three-year warranty from the date of purchase**.

Disposal



For EU Customers only - WEEE Marking

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



CE Marking is the symbol as shown on the left of this page. The letters "**CE**" are the abbreviation of French phrase "Conformité Européene" which literally means "European Conformity". The term initially used was "EC Mark" and it was officially replaced by "CE Marking" in the Directive 93/68/EEC in 1993. "CE Marking" is now used in all EU official documents.

Product Overview

The Datavideo ITC-300 Digital Intercom System is an 8-channel wired communication system, allowing direct connections of up to 8 belt packs. With the ITC-300, the director will then be able to speak to the team crews located at different sites either simultaneously or individually.

The ITC-300 is a standard 19" 1U rack design which facilitates integration of the device into any rack system for use in the field or studio. It can also be used with other various switcher models designed and manufactured by Datavideo such as the SE-500HD, SE-650, SE-2200, SE-2850 and SE-3200.

Features

Front Panel

- Composite XLR / ¼" (6.3mm) Microphone Input Jack
- Condenser and Dynamic Gooseneck Microphone switch
  (Complete package includes Gooseneck Microphone and USB LED Lamp)
- ¼" (6.3mm) Stereo Headphone Socket
- 3.5mm Stereo Socket for Microphone Headset
- Built-in speaker with volume control
- Channel buttons 1 – 8 for individual channel paging and communication
- Simultaneous ALL channel communication
- Mute button to shut down the device audio

Rear Panel

- Supports 8-Way digital wired Intercom via Ethernet cables
- Extension of Communication distance up to 100 meters
- Two 15-pin DSub tally input ports for receiving tally signals sent from switchers

ITC-300SL Belt Pack

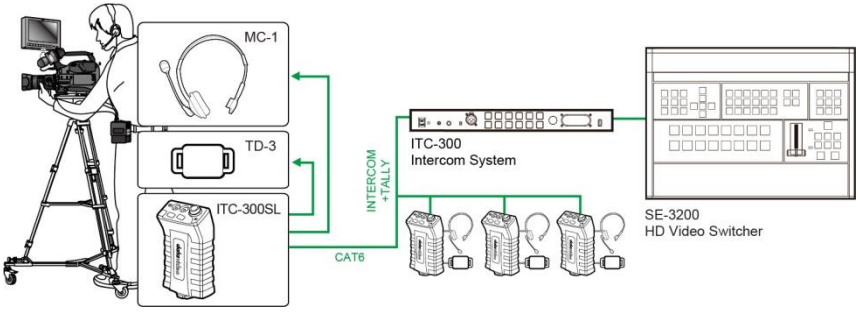
- High mobility
- Call button for paging the system intercom
- Talk button for establishing communication with the system intercom
- Headphone volume control
- Bi-color tally light indicator
- Connects TD-2/3 tally light indicator installed on the camera

System Diagram

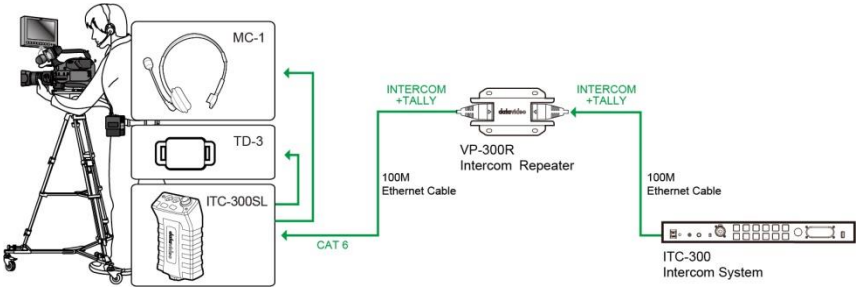
The first system diagram basically provides an illustration of how the ITC-300 Digital Intercom System can be set up in a switcher production environment.

The second system diagram shows you how to connect the VP-300R Intercom Repeater between the ITC-300 Digital Intercom System and the ITC-300SL Digital Intercom Belt Pack.

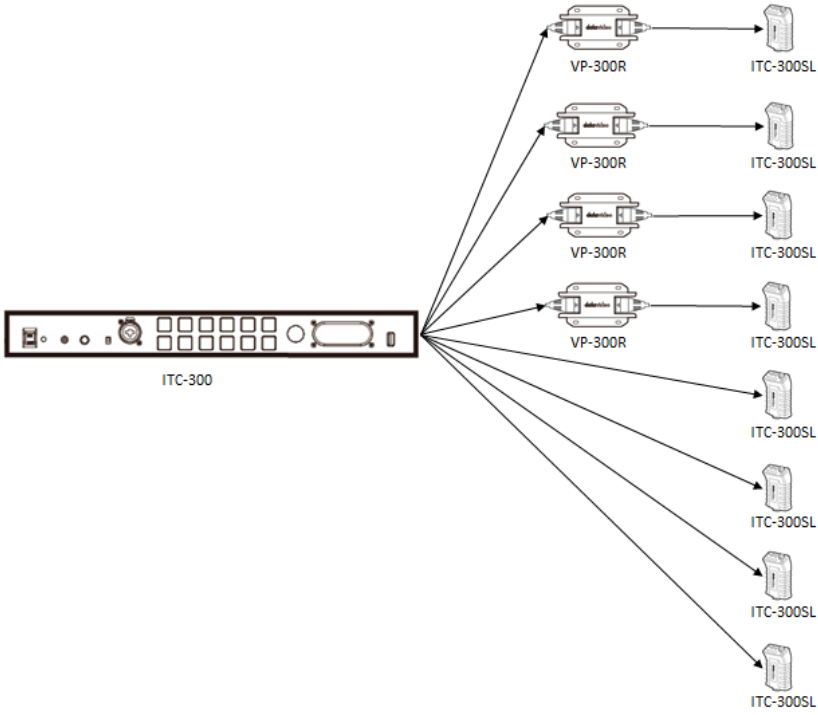
The ITC-300 Interfacing the SE-3200 HD Video Switcher via Tally Inputs



The VP-300R Intercom Repeater Interfacing between the ITC-300 and the ITC-300SL



Note: When all eight channels of the ITC-300 base unit are occupied with the ITC-300SL belt pack, only 4 of the 8 belt packs can be simultaneously connected of the VP-300R Intercom Repeater. See the diagram below.

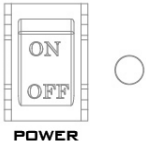

VP-300R
ITC-300SL
VP-300R
ITC-300SL
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ITC-300

System Overview

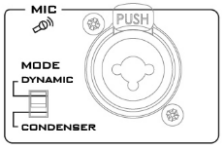
This chapter contains introductory guides to operations on the front panel and connections at the rear.

Base Unit





On/Off Switch
Powers the ITC-300 On / Off. Red LED indicates that unit is switched on.



XLR Microphone Socket
Composite XLR / ¼" (6.3mm) Microphone Input Jack for either a Condenser or Dynamic Gooseneck Microphone.

- XLR supports Condenser Gooseneck Microphones (Supplied).



Headphone Socket
¼" (6.3mm) Stereo Headphone Socket for conventional headphones.

Note: Plugging in headphones will disable the built-in speaker.



Microphone / Headset Socket
3.5mm Stereo Socket for Microphone Headset.

Note: Plugging in a Microphone Headset will disable the built-in speaker.



ALL Button
Opens communication with all channels.

Note: All channels will hear communication from the operator by pressing the ITC-300SL Belt Pack's TALK button.



HOLD Button
Press the **HOLD** button to ***check available online belt packs*** and ***select channels for group communication***.



Channel Buttons 1 – 8
Opens communication with individual channels. More than 1 channel can be active at any given time, and active channels are illuminated red.

All active channels will hear communication from the operator. The buttons will also indicate if any channel is paging, the paging channel will flash in green until the page is answered.

These channel buttons can also be used to gain access to certain built-in features on the ITC-300. See the section on ***Function Keys*** for details.



Mute Button
Mutes all communications from the base station.

NOTE: If any channel user presses the belt pack's CALL button, that particular channel button on the base unit's front panel will start flashing.



SHIFT Button
Press the **SHIFT** button to adjust the **microphone's audio level, the belt pack's volume in the PARTY mode and enable/disable AUDIO IN mode**.



Volume Control
Controls the volume of the built-in speaker or audio output to the headphone or MIC headset (whichever is connected).



Built-In Speaker
Sounds audible alert when a channel is paging and provides audio during talkback conversations.

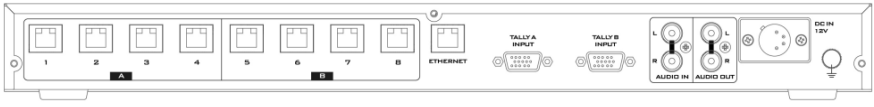
Note: Speaker is disabled when headphone or MIC headset is connected to the ITC-300.

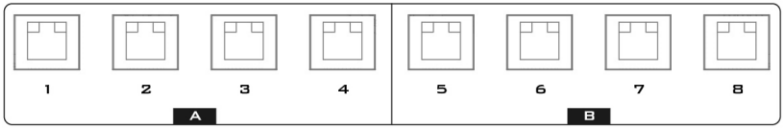


USB Light Socket
For powering the connected USB gooseneck light (supplied).

Rear Panel

The ITC-300 is a standalone model supporting 8 channel communication. It also powers the belt pack directly.





Belt Pack Channel Ports
Each of the 8 channels has an Ethernet connector that carries bi-directional signals between the ITC-300 and the ITC-300SL. **Power, tally and bi-directional audio are all carried though the same Ethernet cable (supplied)**.

After connecting the ITC-300SL to the Ethernet port, the belt pack must be paired to the corresponding channel button of the ITC-300. See the section on ***Pairing Procedure*** for details.

Note: The product package contains a base unit and four belt packs which are already paired before shipment. You are allowed to connect additional belt packs but they must be paired with the base unit prior use.

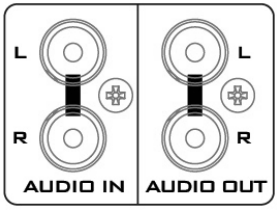


Ethernet Port
For FW Upgrade. ***See the Firmware Update section.***



Tally Inputs A / B
Tally Inputs A & B provide direct connection to the Datavideo switcher. They supply bi-color tally information to the ITC-300SL; RED indicates Live and GREEN indicates Cued.

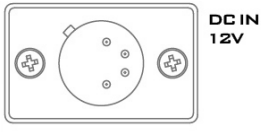
Tally Input A carries bicolor tally information of Channels 1 ~ 4 and Tally Input B carries bicolor tally information of Channels 5 ~ 8.



Audio IN/OUT

Audio IN/OUT
Connects an external audio source to **AUDIO IN** and the **AUDIO OUT** outputs the internal audio.

See the section on AUDIO IN mode for connection methods.



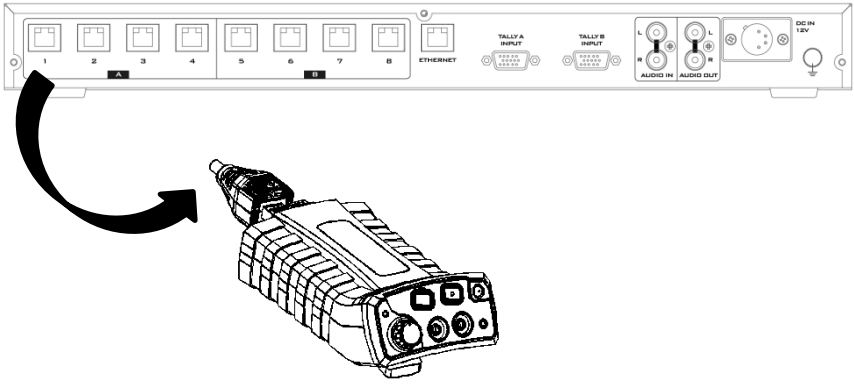
DC Power IN
DC in socket connects the supplied 12V / 36W PSU.



Ground Terminal
When connecting this unit to any other component, make sure that it is properly grounded by connecting this terminal to an appropriate point. When connecting, use the socket and be sure to use wire with a cross-sectional area of at least 1.0 mm^2.

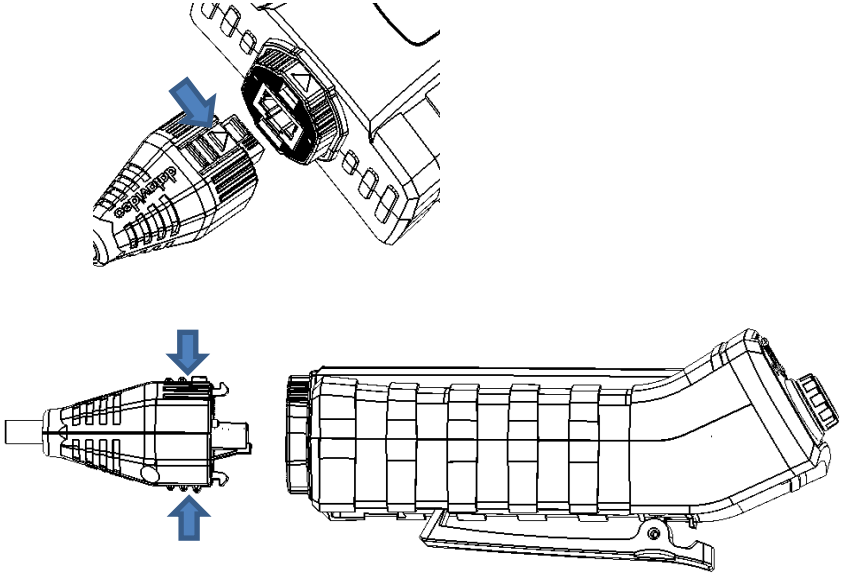
Belt Pack

As shown in the diagram below, before use, connect the belt pack's communication port located at the opposite end of the control panel to the base unit's belt pack channel ports with an Ethernet cable.



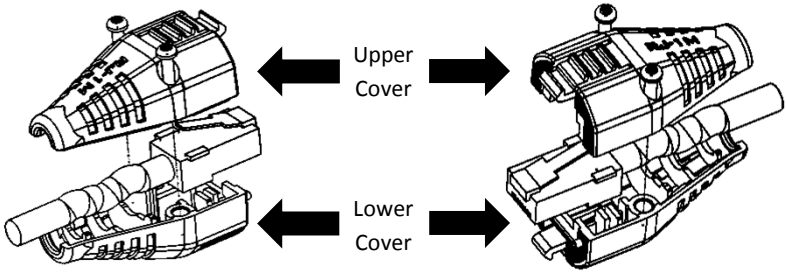
Note: Please only use CAT6 23AWG Ethernet cable or above.

To disconnect the Ethernet cable from the belt pack, press and hold the parts indicated by the arrows as shown in the diagram below then gently pull out the RJ-45 connector.



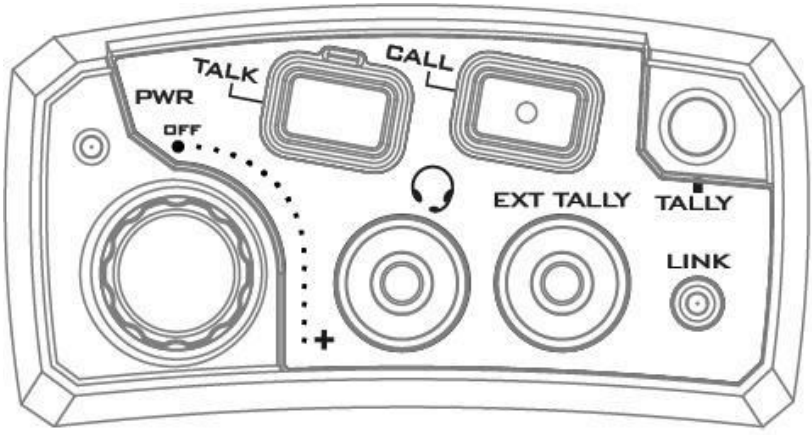
RJ-1M Protective Shield

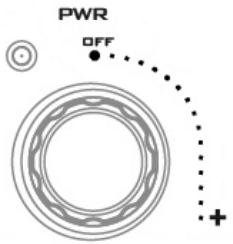
RJ-1M is a protective shield supplied by Datavideo for protecting the RJ-45 connector of the Ethernet cable. As depicted in the diagram below, place the RJ-45 connector between the upper and lower covers of the RJ-1M then secure the covers with two screws.



The subsequent section provides introductory guides to operations using the belt pack's control panel.

Control Panel





Power Switch / Audio Control knob
Turn clockwise (towards +) to turn ON the power. Turn anti-clockwise (towards OFF) to turn OFF the power.
The **Power LED** will be turned ON when the belt pack is powered ON.

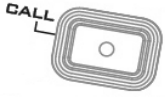
Adjusts the volume of the MIC / headset connected to the MIC / Headphone Socket. Turn anti-clockwise (towards OFF) to lower the volume, and clockwise (towards +) to increase the volume.



Link LED Indicator
Illuminates **YELLOW** when the ITC-300SL belt pack has established connection with the ITC-300 base unit.



MIC / Headphone Socket
The ITC-300SL has both a 3.5mm MIC socket. The user is allowed to use a standard 3.5mm MIC / Headset.



Call Button
Sends a paging message to the ITC-300 Base Unit. The base unit's channel button will flash green and there will be an audible tone each time the button is pressed.

When the LED indicator illuminates red, it indicates that the belt pack is sending audio to the Base Unit. When the LED indicator illuminates green, it indicates that the belt pack is receiving audio from the Base Unit.



Talk Button
Opens up talkback communication with the ITC-300 Base Unit.



External Tally LED Socket
An external tally LED (TD-2/3) can be connected to the ITC-300SL via a GPI cable. This enables the tally light to be positioned in a more visible place, such as on top of the camera. When the channel is **LIVE**, the LED will be **RED**, and when the channel is **CUED**, the LED will be **GREEN**.

NOTE: The Tally LED on the ITC-300SL will continue to operate as normal even after a TD-2/3 has been connected.



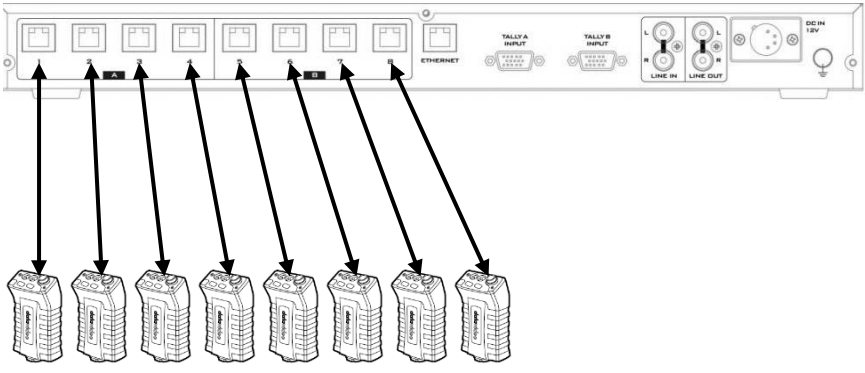
Bi-Color Tally LED
Illuminates **RED** when the channel is **LIVE** and **GREEN** when the channel is **CUED**.

Device Pairing Procedure

The Pairing function is designed to configure channel assignment of the ITC-300 intercom system to the connected belt packs. You will only be allowed to assign one powered ON belt pack to one channel of the ITC-300 intercom system at a time. Power of the rest of the belt packs should be turned OFF.

Note: The pairs are system to belt pack only.

ITC-300 Base Unit



ITC-300SL Belt Pack

The pairing procedure is outlined as follows:

Note: This pairing procedure also applies to paired devices.

1. On the front panel of the base unit, press **SHIFT** and **HOLD** buttons then hold for more than 3 seconds to enter the **ITC-300 Intercom System** in **PP mode**.

   Once **PP mode** is active, you will see the following button LED behaviors.

   - **ALL**, **HOLD**, **MUTE** and **SHIFT** buttons will be illuminated in white.
   - Paired channel buttons will be illuminated in red.
   - Unpaired channel buttons will be illuminated in green.

2. On the belt pack, press **CALL** and **TALK** buttons for more than 3 seconds to enter PP mode.

   You will see the following button LED behaviors after the belt pack enters PP mode.

   - The **tally indicator** will flash once.
   - The **CALL button LED** will be turned ON.
     GREEN: The belt pack has not been paired to any channel buttons.
     RED: The belt pack has been paired to a channel button.
   - The function keys (**ALL**, **HOLD**, **MUTE** and **SHIFT**) on the front panel of the **ITC-300 Intercom System** will be illuminated in red.

3. On the front panel of the **Base Unit**, press the channel button to be paired to the **belt pack**. The selected button should turn from green to yellow.

4. On the belt pack, press the **TALK** button to start pairing. Once pairing is successful, the belt pack's **CALL** button LED and the selected channel button on the base unit should flash red three times. Then the **belt pack** exits **PP mode** and return to **OPERATION mode**.

5. After the pairing procedure is complete, the **ITC-300 Intercom System** will still remain in PP mode**,** the paired channel button will be illuminated in red and **ALL**, **HOLD**, **MUTE** and **SHIFT** buttons will return to white from red. To pair the next belt pack, repeat the process from step 2. To exit PP mode, simply disconnect the ITC-300's power.

Check the Belt Pack's Paired Channel with the Base Unit

Reboot the belt pack, and the tally light flashes or red. The number of flashes indicates the belt pack's paired channel with the base unit.

Clearing Channel Assignment

1. On the **ITC-300 Intercom System**, press **SHIFT** and **HOLD** buttons then hold for more than 3 seconds to enter the **ITC-300** into **PP mode**.
2. Once in PP mode**,** paired channel buttons will be illuminated in red.
3. To clear one particular channel's current channel assignment, press and hold the channel button for more than 3 seconds.
4. Once cleared, the channel button LED will flash green three times, indicating that the settings have been cleared.

Note: No action needs to be taken on the belt pack.

Noise Reduction

If you hear excessive background noise, enabling the noise reduction feature lowers the noise level. Follow the steps outlined below to enable the noise reduction feature and switch to high level noise reduction.

1. While the belt pack is turned ON, press and hold the **TALK** button.
2. Turn ON the power.
3. Let go of the **TALK** button when you see the **PWR** and **LINK** LEDs flash once.
4. The noise reduction level has been changed.
5. Different tally light colors represent different noise reduction levels.
    - Green: Normal reduction
    - Red: High reduction

Function Keys

The ITC-300 offers users shortcut keys to gain access to certain features such as microphone volume adjustment, party mode enable/disable, AUDIO IN mode enable/disable, party mode volume adjustment, and panel's backlight brightness adjustment. These can be achieved by pressing the corresponding channel buttons. In this chapter, we will show you how to use these buttons to access these functions with detailed steps outlined as follows:

Check the Belt Pack's Channel Assignment

Press the base unit's **HOLD** button and as soon as it turns red from green, paired **CHANNEL** buttons will be illuminated in red.

Group Communication

The ITC-300's Group Communication mode allows the base unit to establish group communication with multiple belt packs.



1. First press the base unit's **HOLD** button to activate Group Communication. The **HOLD** button should turn red from green. **CHANNEL** buttons already paired to the belt packs should turn green from white.
2. Press the corresponding channel buttons of the belt packs to include in group communication. The selected channel buttons should turn red from green.
3. For example, say if channel 1, 2 and 4 are selected, when the operator of the base unit talks, audio will be sent to belt packs 1, 2 and 4. However, there will be no cross channel communication. For example, belt pack 1 will not be able to hear the communication between belt pack 4 and the base unit.
4. To cancel group communication, simply press the **HOLD** button on the base unit's front panel again, then the **HOLD** button should turn green from red, and the **CHANNEL** buttons should turn white from red.

All Communication



Once the ITC-300's All Communication mode is enabled, the base unit will then be able to establish communication with all belt packs immediately.

1. First press the base unit's **ALL** button, which turns red from green and all paired **CHANNEL** buttons should turn red from white.

2. When the operator of the base unit talks, all paired belt packs will be able to hear him at the same time. However, carrier of each individual belt pack will not be able to hear communications of other channels. For example, belt pack 1 will not be able to hear the communication between belt pack 4 and the base unit.

3. To cancel all communication, simply press the **ALL** button on the base unit's front panel again, then the **ALL** button should turn green from red, and the channel buttons should turn white from red.

Cross Communication (Party Mode)

In **GROUP** and **ALL** Communication modes, only the base unit is allowed to establish communication with the belt packs and the belt packs will be refrained from communicating with other channels. To allow the belt packs to communicate with other channels, you will need to enable the **PARTY** mode.

1. First activate **GROUP** or **ALL** communication mode.

Notes: In Group Communication, Party Mode supports up to four belt packs communicating simultaneously. For instance, in a scenario with five belt packs, if the TALK button is pressed on all units at once, only the first four will be allowed to communicate. One belt pack must be released before the fifth can join the communication.

2. Press and hold the **SHIFT** button on the base unit's front panel, then press **Channel 2** button. The **PARTY** mode is enabled as soon as **Channel 2** button turns from green to red.



3. To disable the **PARTY** mode, press and hold the **SHIFT** button on the base unit's front panel then press **Channel 2** button. The **PARTY** mode is disabled as soon as **Channel 2** button turns green from red.

4. To check if the **PARTY** mode is enabled, press and hold the **SHIFT** button on the base unit's front panel. **Channel 2** button will be illuminated **red** if the PARTY mode is **enabled** and **green** if the PARTY mode is **disabled**.

5. To adjust the PARTY mode's **volume**, first make sure the PARTY mode is enabled.

6. Press and hold the **SHIFT** button then press **Channel 3** button to **increase** the PARTY mode's volume and **Channel 7** button to **decrease** the party mode's volume. For each button push, the volume increases or decreases by **3 dB**.



7. Please note that when **Channel 3** or **7** button becomes illuminated in **yellow**, it means that the PARTY mode's volume has reached the **minimum** or **maximum**.



Audio IN

The ITC-300's **AUDIO IN** mode allows input of external analog audio to the intercom system.

1. To **enable** the **AUDIO IN** mode, press and hold the base unit's **SHIFT** button then press **Channel 6** button which should turn red from green, indicating that the AUDIO IN mode is enabled. The base unit and the belt packs should be able to hear the **AUDIO IN audio** after the AUDIO IN mode is enabled.



2. The base unit's microphone should disconnect so the operator of the base unit will no longer be able to speak to the belt pack but the belt pack carrier's voice can be delivered to the base unit. Carrier of each individual belt pack will not be able to hear communications of other channels.

3. To **disable** the **AUDIO IN** mode, press and hold the **SHIFT** button on the base unit's front panel then press **Channel 6** button. The AUDIO IN mode is **disabled** as soon as Channel 6 button turns green from red.

Panel's Backlight Brightness

The panel's backlight brightness comes in four levels which are 25%, 50%, 75% and 100%. In this section, we will show you how to adjust the brightness accordingly.

1. Press and hold the **SHIFT** button, then press **Channel 4** button to increase the brightness and **Channel 8** button to lower the brightness (each press of Channel 4 or 8 button increases or decreases the brightness by 25%).



2. Please note that the panel backlight's brightness has reached the maximum or minimum when **Channel 4** or **8** button becomes illuminated in yellow.



Mute Mode

The ITC-300 includes the **MUTE** mode. Simply press the **MUTE** button on the base unit's front panel and as soon as the **MUTE** button turns red from green, all communications to and from the base unit or the belt packs will be muted.



Factory Reset

Press and hold the **SHIFT** and **ALL** buttons for more than 3 seconds and all buttons on the ITC-300 base unit's front panel should be illuminated in the order of red, green and white colors. The base unit's parameters will have returned to the factory defaults once the button LEDs resume their original state colors.

Tally Input

When using the ITC-300 with Datavideo products, tally connection is already customized for the ITC-300 and requires no additional configuration.

For use with equipment from other manufacturers, refer to the tables below for the pinouts of the ITC-300's Tally A and Tally B inputs.

A contact closure between a tally pin and ground will activate the corresponding Tally LED. For example, on Tally Input A: closing the connection between pin 1 and pin 4 will turn ON the red Tally LED for Channel 1; closing the connection between pin 13 and pin 4 will turn ON the green Tally LED for Channel 3.

Tally A Input Pinout

Tally A Input carries the tally signals for Channels 1–4. The table below provides the pinout for each channel.

Video Channel	Red LED LIVE (On Air)	Green LED CUED (Next)
1	Pin 1	Pin 3
2	Pin 6	Pin 8
3	Pin 11	Pin 13
4	Pin 5	Pin 15

Pins 4/9/14 are ground pins.

Tally B Input Pinout

Tally B Input carries the tally signals for Channels 5–8. The table below provides the pinout for each channel.

Video Channel	Red LED LIVE (On Air)	Green LED CUED (Next)
5	Pin 1	Pin 3
6	Pin 6	Pin 8
7	Pin 11	Pin 13
8	Pin 5	Pin 15

Pins 4/9/14 are ground pins.

Custom Tally Cables for Datavideo Systems

Datavideo offers custom cables for connecting the ITC-300 to a range of Datavideo switchers. The table below lists the cable part numbers along with the corresponding switchers they are designed to support.

Tally Cables			
Part No.	**Model**	**Cable Description**	**Supported Switchers**
G07690250002	CB-28	DB25 Male to 4×DB15 Male Cable (1M)	SE-2200 SE-2850 SE-3200
G07692150202	CB-42	DB15 Male to DB15 Female Cable (1.2M)	SE-500HD SE-650
G07690150006	N/A	DB15 Female to DB15 Male Cable (0.8M)	SE-500HD SE-650
G07690150025	CB-59	DB15 Female to 2xDB15 Male Cable (0.7M)	SE-1200MU

Firmware Update

Datavideo usually releases new firmware containing new features or reported bug fixes from time to time. Customers can either download the firmware as they wish or contact their local dealer or reseller for assistance.

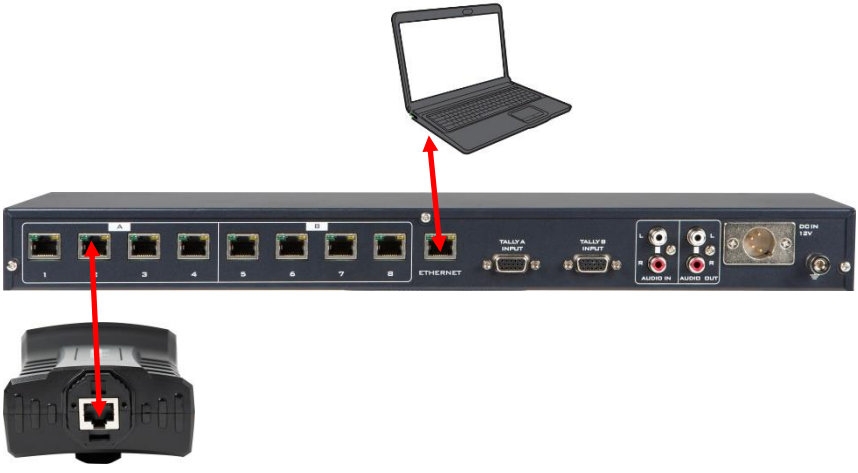
This section outlines the firmware upgrade process which should take ***approximately few minutes to complete***.

The existing settings should persist through the *firmware upgrade process, which should not be interrupted once started* as this could result in a non-responsive unit.

Firmware Upgrade Requirements

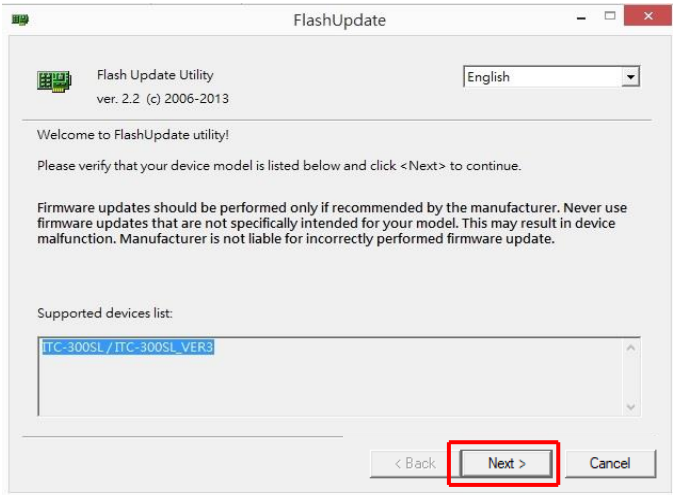
- PC or Laptop
- Ethernet connections with access to the Internet (For firmware downloads)
- Latest firmware files
  FlashUpdate_MB_Vxx (ITC-300)
  FlashUpdate_SL_Vxx (ITC-300SL)

System Connections

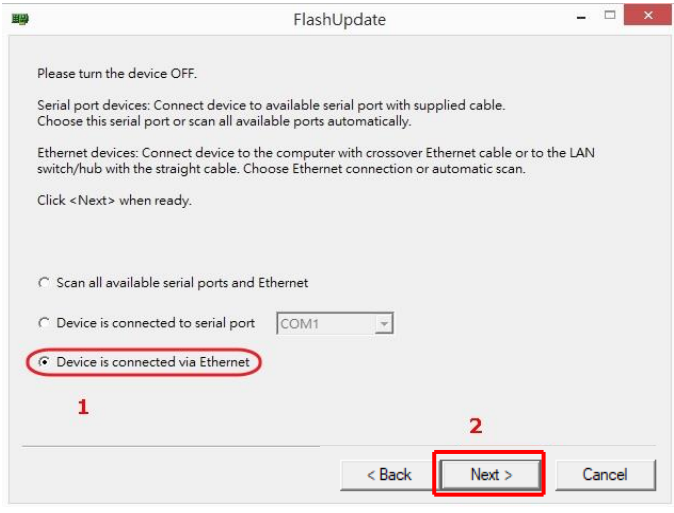


Upgrade Procedure

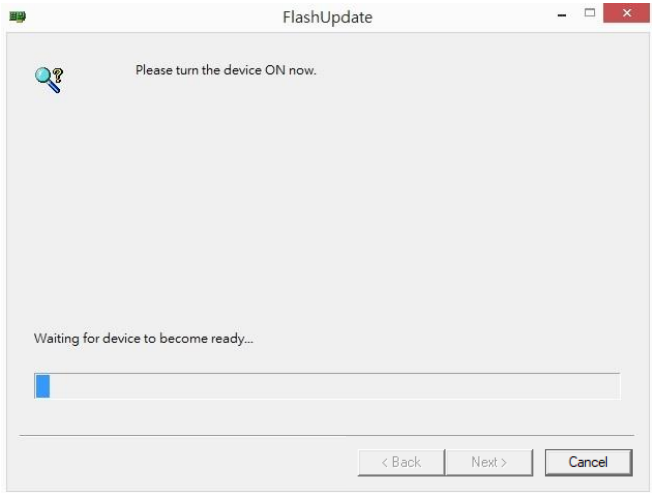
1. Run **FlashUpdate_SL_Vxx** to update the ITC-300SL firmware and **FlashUpdate_MB_Vxx** to update the ITC-300 firmware.



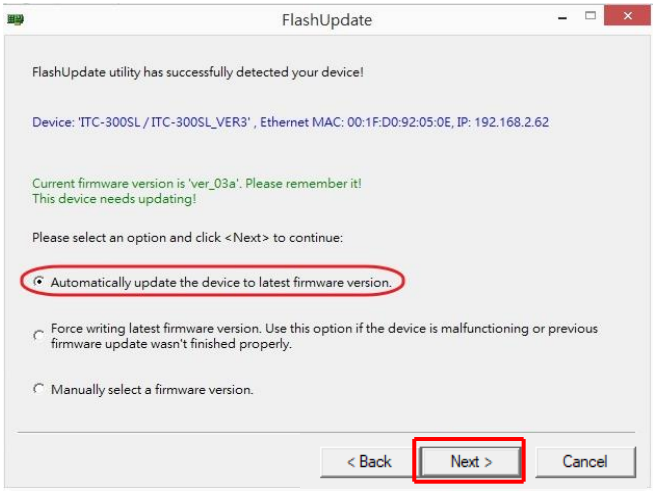
2. Turn the ITC-300 base unit off and on the PC, select "**Device is connected via Ethernet**."



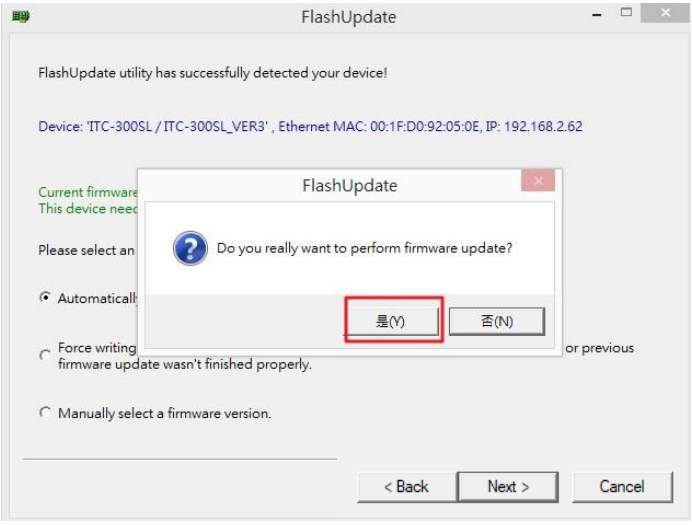
3. Turn the ITC-300 base unit back on again.
   - If you are upgrading the ITC-300SL, press the **CALL** button before turning on the ITC-300.
   - If you are upgrading the ITC-300, press the **SHIFT** button before turning on the ITC-300.



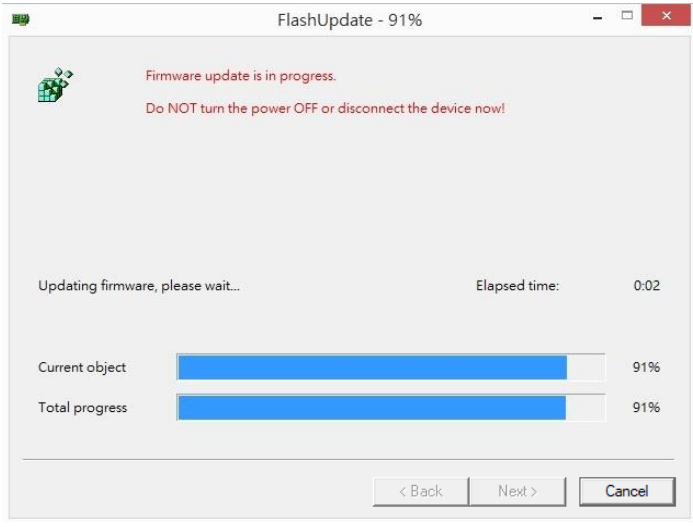
4. Select "**Automatically update the device to latest firmware version**" then click **NEXT**.



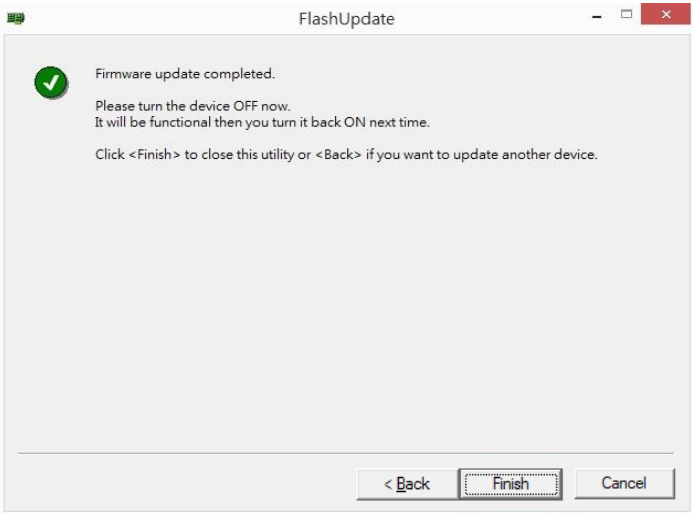
5. Click **Yes** to start the firmware upgrade.



6. When the screen shown below appears, the firmware upgrade is in progress. Do not turn off the power or disconnect the device



7. After the firmware is successfully upgraded, click **Finish** and shut down the ITC-300 base unit.

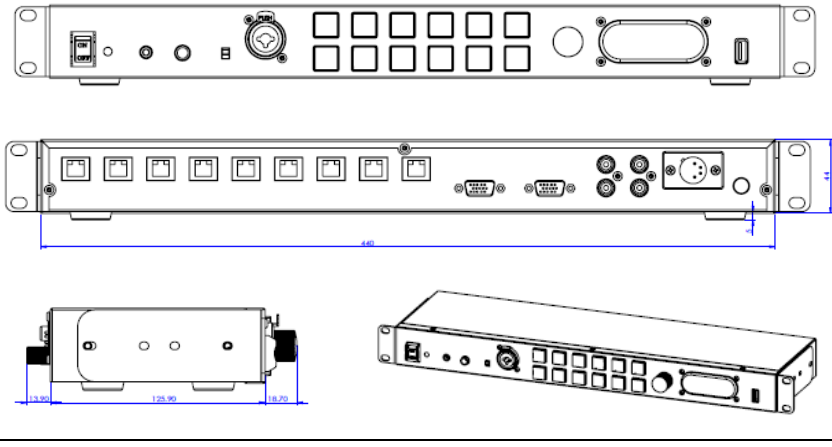


Frequently-Asked Questions

This section describes problems that you may encounter while using ITC-300. If you have any questions, please refer to related sections and follow all suggested solutions. If problem still exists, please contact your distributor or the service center.

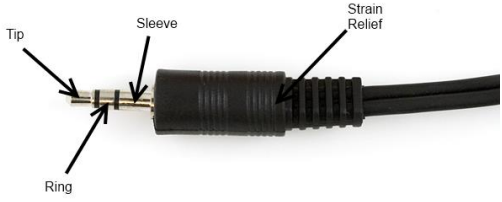
No.	Problems	Solutions
1	Can I use a router to connect between the ITC-300 and the ITC-300SL belt packs?	No. The ITC-300SL belt packs must be connected directly to the ITC-300, as the required power is supplied from the ITC-300 itself.

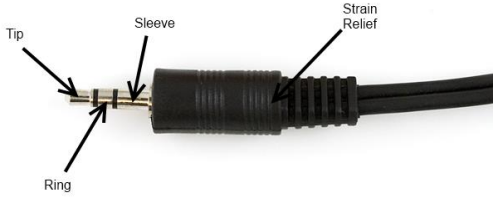
Dimensions

ITC-300


All measurements in millimeters (mm)

Specifications

Base Station (ITC-300)	
Front	
Power On/Off Switch	Yes
MIC / Headset	3.5mm Stereo Jack Socket x 1 (For Headphone / Microphone combination) Headset Impedance 24 ohms 100mW (min) Input Microphone Level -45.2 dB Pinout Tip: Mic / Ring: Phone / Sleeve: GND 
Headphone	¼" (6.3mm) Stereo Headphone Socket x 1 Pinout Tip: Phone / Ring: Phone / Sleeve: GND 
Microphone	3 Pin XLR / 1/4" (6.3mm) Socket x 1 PIN1: N/A PIN2: MIC (5V output to the MIC) PIN3: GND Switchable Condenser / Dynamic Input Microphone Level -67dB
Communication	12 Buttons (Hold / All / Mute / Shift / Key 1-8) Rubber Key (White: backlight, Red: Active, Green: Standby)
Volume Control	Adjusts the volume of the built-in speaker, or the volume of the headphone/headset depending on the connected device.

USB Light Socket	Power source for the connected light +5 V output current up to 500mA.
Built-in Speaker	The 3W speaker is disabled when the headphone or headset is plugged into the ITC-300
Rear	
RJ45 Port	RJ45 x 8 (ITC-300)
Tally In	2 x 15 Pin D-Sub Female Sockets for Tally A and Tally B
Audio Input/ Output	Audio In / Audio Out (RCA Jack)
FW Upgrade	Ethernet
Power	12V Power Input 4P Male XLR x 1 (PIN1: GND; PIN4: 12V)
Performance	
FREQUENCY RESPONSE	300 Hz ~ 7 KHz, < +/-3dB
THD	< 0.1% @1KHz
S/N	>70dB
OPERATING RANGE	Up to 100m between Base Station and Belt Pack
OPERATING TEMPERATURE	0°C - 40°C [32°F - 104°F]
STORAGE TEMPERATURE	-20°C to 60°C (-4°F to 140°F)
HUMIDITY	10% to 80% (non-condensing)
DIMENSIONS (mm)	440 x 126 x 44
WEIGHT	1.93 Kg
Wired Belt Pack (ITC-300SL)	
Communication	Call Button x 1 Talk Button x 1
MIC / Headset	3.5mm Stereo Jack Socket x 1 (For Headphone / Microphone combination) Headset Impedance 24 ohms 100mW(min) Microphone Level -45.2 dB Pinout Tip: Mic / Ring: Phone / Sleeve: GND 

Tally Out Socket	3.5mm Jack Socket to connect TD-3 Tally Indicator Pinout Tip: Tally Red (+3.3V) / Ring: Tally Green (+3.3V) / Sleeve: GND
Power Switch / Volume Control	VR with Multifunction Switch (Power ON/OFF the belt pack, adjusts the headphone volume)
Tally LED	Bi-Color LED – RED indicates LIVE / GREEN Indicates CUED
Power LED	Red light
Link LED	Yellow light
Call LED	Red light – Outgoing call Green light – Incoming call
Power	Powered by the Base Unit
Performance	
FREQUENCY RESPONSE	300 Hz ~ 7 KHz, < +/-3dB
THD	< 0.1% @1KHz
S/N	>70dB
OPERATING RANGE	Up to 100m between Base Station and Belt Pack
OPERATING TEMPERATURE	0°C - 40°C [32°F - 104°F]
STORAGE TEMPERATURE	-20°C to 60°C (-4°F to 140°F)
HUMIDITY	10% to 80% (non-condensing)
DIMENSIONS (mm)	81.2 x 142.6 x 49.6
WEIGHT	230 g

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo.com for answers to common questions, support requests or contact your local office below.

Please visit our website for latest manual update.
https://www.datavideo.com/product/ITC-300

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