

VIRTUAL CLASS ROOM

INTRODUCTION

The objective of the National Knowledge Network is to bring together all the stakeholders in Science, Technology, Higher Education, Research & Development, and Governance with speeds of the order of gigabits per second coupled with extremely low latencies.

Virtual class rooms have been developed to facilitate newly developed IIT institutions by mentor IITs. NIC also developed such virtual class rooms to promote and equipped with the rooms the latest technology. Presently 45 such virtual class rooms in 15 IITs and 5 Virtual class rooms are proposed in NIC regional centers. This include IITs at Chennai, Hyderabad, Mumbai, Gandhinagar, Indore, Guwahati, Patna, Kanpur, Jodhpur, Roorkee, Mandi, Delhi, Ropar, Kharagpur, Bhubneshwar, and BARC Mumbai, and IGCAR Kalpakkam.

Advantage-

Virtual Class rooms are equipped with latest High definition multiple LCDs, multiple High definition cameras, high quality sound system using multiple type of mike systems, high definition projector, Document camera and other various automatic integration tools for making the live feel while using technology in education.

Technology

Network- with the speeds of the order of gigabits per second coupled with extremely low latencies, IP network is operational and managed by NIC to use

Virtual class room services through videoconferencing.

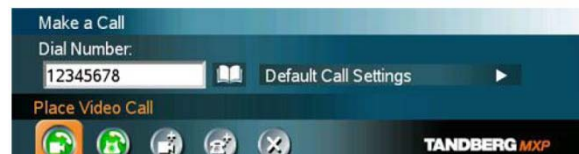
Videoconferencing- High definition Camera Tendberg- 6000 MXP -3 numbers in each room, 55" HD LCDs in 3 numbers, HD Projectors, and sound system is integrated with the technology.

Making a Point-to-Point Video call (within NKN)

STEP1: Press the green key on the remote or choose Make a Call from the Main Menu to open the Call menu

STEP2: Dial a video number with the number keys

STEP3: Press the green key on the remote or move the yellow selector down to the Place Video Call icon and press OK to start the video call.



Making calls on ISDN based VC system (beyond NKN)

Presently this is manual service, and available through VCR-Helpdesk of NIC, managed by NIC VC Group.

Scheduling multipoint Conference-

STEP 1: From your phone Book, select the pre-fixed conference room using the arrow keys or searching on the first letter with the letter keys.

STEP 2: Press the green call key on the remote or press arrow key left to select the Call Now icon. Press OK.

Eg- like if desire to **join NKN IIT Chennai VCR, site can dial- 91197201 to join conference.**

Similarly individual IIT conference Room and few Personal conference rooms are made available in conference servers.

Receiving a Video call-

STEP1: To accept an incoming call, press OK or the green key on the remote control

STEP2: Press the red key on the remote control to reject the incoming call.



STEP3: If you do not want any incoming calls, choose Do Not Disturb. If Do Not Disturb is on the system will automatically reject all incoming call .If Auto Answer is set to on, an incoming call will connect automatically. You can set Auto answer on.

HOW TO MAKE A CALL USING PHONE BOOK-

STEP1: Open the Phone Book from the main menu or press the Phone Book key on the Remote

STEP2: Find your desired contact using the arrow keys or searching on the first letter with the letter keys

STEP3: Press the green call key on the remote or press arrow key left to select the Call Now icon. Press OK. Alternatively, press OK to select the

contact. You will go to the Call menu, where you may edit the number or call settings before you place the call.

STEP4: Wait for the call to connect



EDIT IN PHONE BOOK

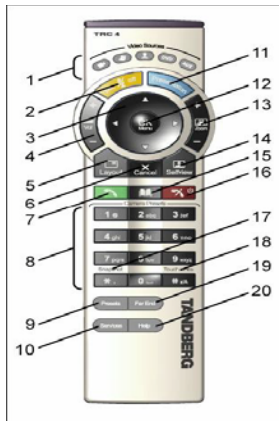
STEP1: To edit a contact, highlight the contact and press arrow left. Press arrow key down to select the Edit button

STEP2: In the edit window you can edit Name, Call Type, Number, Network, Bandwidth and Restrict (56k). Press OK to save.

STEP3: When you edit a contact that is part of a Multi Site entry, the contact will be updated in the Multi Site entry automatically.



Remote Control-



Features

1. Change video source. If possible, you will start open a Dual Stream. Press the video source button again to stop the dual stream.
2. Mic Off turns your microphone on and off
3. Arrow keys are used for navigation in the menu and for moving the camera
4. Volume + and – adjusts the Codec volume only
5. The Layout key toggles between full screen and different display layouts
6. Cancel takes you back one step in the menu system. Use Cancel to delete characters
7. Press the Call key to place a call
8. Number and letters key functions
9. Press Preset + a number to activate a preset
10. Press the Services button to open the Services menu
11. The Presentation key switches to a predefined presentation source
12. Press OK/Menu to show the menu and to select menu items

13. Use Zoom + and – to zoom the camera in and out

14. Self view displays your outgoing video. Press Self view again to turn self view off

15. Use the Phone Book to store and recall video contacts for easy placement of calls

16. Use the red End Call key to end the current call

17. Snapshot takes a snapshot of your video only while you are in a call

18. Press Touch tones when you are in a call and need to dial extension numbers

19. Pressing Far End turns Far End control on and off

20. Press the Help button to open the User Guide menu.

VCR HELPDESK

- VCR helpdesk can be contacted by dialing 7200 or 10.1.180.120 through videoconferencing terminal operated over NKN.
- VCR helpdesk can be contacted on 011-24305776 or 09868672907/09810486634/09868857610.
- In case of further help or enquiry pls drop a mail to vc-delhi@nic.in

