Problems

Dropping the laptop

~~Forgetting the laptop~~

Having to carry the laptop

Having to set up a connection

~~Having BT timeout~~

Having to take the WFS in and out of the program

~~Not being able to easily demo during judges’ meetings~~

Pros of the Solution

Stylish

Affordable

Convenient

Small

Light

Dependable

Fixes all of the above problems

Easy to use

Layout Options

Flash through problems with dramatic music, then switch to the ChapR and all its glory with cheesy/cheerful music

Several different scenarios, where the ChapR saves the day each time

~~Extolling the virtues of the ChapR, flashing back to problems it has solved~~

Cast

\*Scene 1

PI RHO DRIVER 2 –

PI RHO COACH –

PI RHO DRIVER 1 -

EXTRA 1 –

PI RHO PROGRAMMER –

\*Scene 2

PROGRAMMER 1 –

PROGRAMMER 2 –

\*Scene 3

RACHEL

BEN

AKSHAY

\*Scene 4

PI RHO DRIVER 1

PROGRAMMER 1

RACHEL

\*Other

DISEMBODIED VOICE –

MUSIC -

1. Rotunda – Mock Competition

WIDE SHOT of the small FTC field set up under the skylight. Cluttered worktables in the background, with extra students standing around the field. PI RHO DRIVER 1 and PI RHO DRIVER 2 are standing with controllers next to PI RHO COACH on one side of the field, intently controlling their robot.

PI RHO DRIVER 2

We almost have a blackout…

PI RHO COACH

Keep going!

CLOSE UP of the drive team.

CLOSE UP of the Pi Rho robot as it scores the final two rings.

PI RHO DRIVER 1

Blackout!!!!!!

CLOSE UP of PI RHO DRIVER 1 as he throws his hands in the air and jerks the cable of the controller.

EXTRA 1

PI RHO DRIVER 1!

SLOW MOTION CLOSE UP of the laptop tumbling off the stool. All sounds stop. The stool clatters to the ground on top of it.

CLOSE UP of PI RHO DRIVER 1’s shocked face, then each member of the drive teams’.

CLOSE UP of the laptop. Time abruptly speeds up as PHI RHO PROGRAMMER runs to the wreckage, crying.

PI RHO PROGRAMMER

[shocked and grieving] Look what you’ve done…my laptop…

[sobs]

DISEMBODIED VOICE

[cheerful] Is your laptop having connection issues?

MEDIUM SHOT as PI RHO PROGRAMMER glances at the remains of his laptop and then at the camera. His tear-streaked face is shocked and appalled at the insensitive question.

1. Robotics Room – Setting up BT Connection

MEDIUM SHOT from behind two programmers as they work on RobotC. They are pulling up pop-up menus and debating back and forth as to how to get it working.

PROGRAMMER 1

I’ve been repeating the search, but the brick won’t come up!

PROGRAMMER 2

Have you tried removing past connections?

PROGRAMMER 1

[slightly irritated] Of course.

PROGRAMMER 2

Have you reset Bluetooth on the brick?

PROGRAMMER 1

[irritated] That’s what I did first.

MEDIUM SHOT from the front of the laptop, showing the two programmers.

PROGRAMMER 2

Can you clear the Bluetooth connection history on your PC?

PROGRAMMER 1

No, I’m running Windows XP. Can we use your laptop?

PROGRAMMER 2

No I don’t have RobotC. Can we try a different USB BT device?

PROGRAMMER 1

No Ben left his at home.

PROGRAMMER 2

Maybe it’s just a bad brick.

PROGRAMMER 1

[frustrated] I’m telling you, it was working when I-

DISEMBODIED VOICE

Is RobotC giving you troubles?

CLOSE UP as the programmers turn to look at the camera.

1. Hallway – Impromptu Testing

MEDIUM SHOT of AKSHAY, BEN and RACHEL crowded around a robot on an FTC practice field at competition. BEN is bent over the robot, RACHEL is hunched over her computer and AKSHAY is looking urgent about something.

AKSHAY

[urgently] We need to be up and running! Our match starts in 10 minutes!

RACHEL

[frustrated] We need to test autonomous.

BEN

[exasperated/resigned] Then let’s just test it.

BEN hits the orange button on the NXT and everyone leans back expectantly. Nothing happens.

BEN

[irritated] Darn it! We forgot about waitForStart.

RACHEL leans over her computer.

RACHEL

[muttering] Alright alright…nxt…FTC joystick control….

BEN

[urgent] Rachel, we don’t have time for this.

RACHEL

[impatient] I know!…my laptop’s out of battery.

RACHEL looks over to AKSHAY.

RACHEL

[frustrated] Did you bring your laptop?

AKSHAY

[quickly] Got it.

AKSHAY pulls out a laptop (the laptop) and puts it on his knee, typing frantically.

AKSHAY

[mad] …I don’t have RobotC.

AKSHAY drops the laptop off his knee and everyone looks at the camera.

DISEMBODIED VOICE

Is setting up a connection slowing you down?

ALL nod.

1. Sunny Rotunda – Solution

CLOSE UP of ChapR with blank background.

DISEMBODIED VOICE

Well, the ChapR is the thing for you! A newly developed product from Westlake Chap Robotics, it allows you to instantly Bluetooth to your NXT brick and set up drive practices.

CLOSE UP of the ChapR from a new angle as the various features appear on screen around it as they are described by PI RHO DRIVER 1, PROGRAMMER 1 and RACHEL.

PI RHO DRIVER 1

The ChapR is small, light and portable. It fits into a pocket so the drive team can carry it around for drive practice anywhere.

“Small” and “Portable” appear on screen.

PROGRAMMER 1

[excitedly, but not obviously fake] The ChapR remembers the brick it last paired with so it connects instantly.

“Quick connections” appears on screen.

RACHEL

[not sarcastic at all] With WFS release, the ChapR can run any program already downloaded to the NXT, for convenient testing and demoing on the go.

“Wait for start release” appears on screen.

MEDIUM SHOT of the field from earlier, with PI RHO DRIVER 1, PROGRAMMER 1 and RACHEL standing around the Pi Rho robot. RACHEL is holding the ChapR, and turns it on.

CLOSE UP of the ChapR as it boots, lights flickering. The ChapR connects to the Pi Rho robot and squeeps. PROGRAMMER 1 hands a controller to RACHEL, who plugs in a controller and hands it to PI RHO DRIVER 1. PI RHO DRIVER 1 controls the robot for a bit.

“MUSIC” (optional)

Chap on, chap off. The ChapR.

DISEMBODIED VOICE

Affordable and dependable, the ChapR.

BLACK SCREEN closes in on the ChapR.

CHAPR

\*squeep

BLACK SCREEN closes completely.

1st Scenario (with one team instead of two) – pain and loss

The laptop crashes to the ground. Stop on PI RHO PROGRAMMER’s face. “Are you having connection problems?”

2nd Scenario (RobotC connection problems) - frustration

See screen with pop-ups, then two people working on the computer. “Is RobotC giving you troubles?”

* BT problems with the oS
* Power problems
* Not bringing the laptop

3rd Scenario () – impatience

The programmer and two others are trying to get the robot working in time for a match (at competition) and they need to test autonomous, but forget waitForStart(), run out of battery and don’t have RobotC on their back-up computer.

Solutions – painless, pleasant and fast

Each person tells about the part of the ChapR that fixes their problem. Then the ChapR runs once, squeeps and connects instantly. The disembodied voice comes back with the slogan and “see chapr.weebly.com for details”. Music plays, then black falls, the circle centers on the ChapR, which squeeps again before the screen goes black.